TOSHIBA

FILE NO. 023-200522GR

SUPPLEMENT

SERVICE MANUAL

Projection Television

52HMX95
62HMX95

– SUMMARY –

52HMX95/62HMX95 is the same as 62HM95 (REVISED.3) except for the parts tabled on back of this sheet.

Use this service manual together with the service manual of 62HM95 (File No. 020-200510 REVISED.3).

The above models are classified as green products (*1), as indicated by the underlined serial numbers. This Service Manual describes replacement parts for the green products. When repairing these green products, use the parts described in this manual and lead-free solder (*2).

For (*1) and (*2), see the next page.

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(*1) GREEN PRODUCT PROCUREMENT

The EC is actively promoting the WEEE & RoHS Directives that define standards for recycling and reuse of Waste Electrical and Electronic Equipment and for the Restriction of the use of certain Hazardous Substances. From July 1, 2006, the RoHS Directive will prohibit any marketing of new products containing the restricted substances.

Increasing attention is given to issues related to the global environmental. Toshiba Corporation recognizes environmental protection as a key management tasks, and is doing its utmost to enhance and improve the quality and scope of its environmental activities. In line with this, Toshiba proactively promotes Green Procurement, and seeks to purchase and use products, parts and materials that have low environmental impacts.

Green procurement of parts is not only confined to manufacture. The same green parts used in manufacture must also be used as replacement parts.

(*2) LEAD-FREE SOLDER

This product is manufactured using lead-free solder as a part of a movement within the consumer products industry at large to be environmentally responsible. Lead-free solder must be used in the servicing and repair of this product.

WARNING

This product is manufactured using lead free solder.

DO NOT USE LEAD BASED SOLDER TO REPAIR THIS PRODUCT !

The melting temperature of lead-free solder is higher than that of leaded solder by 86°F to 104°F (30°C to 40°C). Use of a soldering iron designed for lead-based solders to repair product made with lead-free solder may result in damage to the component and or PCB being soldered. Great care should be made to ensure high-quality soldering when servicing this product — especially when soldering large components, through-hole pins, and on PCBs — as the level of heat required to melt lead-free solder is high.

REPLACEMENT PARTS LIST DIFFERENCES

Location No.	Parts No.	Description
#1 : [52HMX95]		
#2 : [62HMX95]		
CAPACITORS		
CB511	76092730	CERAMIC CHIP, 16V B 0.1UF K
RESISTORS		
R4100	76011102	CHIP, 1/20W 1K OHM J
R4101	76011681	CHIP, 1/20W 680 OHM J
R4102	76011471	CHIP, 1/20W 470 OHM J
R4103	76011331	CHIP, 1/20W 330 OHM J
R4104	76011681	CHIP, 1/20W 680 OHM J
R4105	76011102	CHIP, 1/20W 1K OHM J
R4106	76011681	CHIP, 1/20W 680 OHM J
R4107	76011471	CHIP, 1/20W 470 OHM J
R4108	76011331	CHIP, 1/20W 330 OHM J
R4109	76011681	CHIP, 1/20W 680 OHM J
RB510	76011102	CHIP, 1/20W 1K OHM J
RB513	76011102	CHIP, 1/20W 1K OHM J
RB514	76011473	CHIP, 1/20W 47K OHM J
RB515	76011473	CHIP, 1/20W 47K OHM J
RB574	76011101	CHIP, 1/20W 100 OHM J
RR01	76871750	CHIP, 1/8W 75 OHM J
RR02	76871750	CHIP, 1/8W 75 OHM J
RR03	76871750	CHIP, 1/8W 75 OHM J
RR04	76011330	CHIP, 1/20W 33 OHM J
RR05	76011330	CHIP, 1/20W 33 OHM J
RR06	76011330	CHIP, 1/20W 33 OHM J
GR31	76000445	CHIP JUMPER, 1608TYPE
GR34	76000445	CHIP JUMPER, 1608TYPE
GR35	76000445	CHIP JUMPER, 1608TYPE
COILS & TRANSFORMERS		
LR01	23103230	INDUCTOR, BEAD, TEM2134AD
LR02	23103230	INDUCTOR, BEAD, TEM2134AD
LR03	23103230	INDUCTOR, BEAD, TEM2134AD
SEMICONDUCTORS		
Q894	23085869	IC, OPE AMP, TA75358PG(5)
Q4100	23085635	TRANSISTOR, 2SC3437-Y(TE85L,F)
Q4101	23085635	TRANSISTOR, 2SC3437-Y(TE85L,F)
Q4102	23085635	TRANSISTOR, 2SC3437-Y(TE85L,F)
Q4103	23085635	TRANSISTOR, 2SC3437-Y(TE85L,F)
QB503	23205506	TRANSISTOR, 2SC4081 Q
DB502	23357765	DIODE, ZENER, MA8100-M
DB503	23357765	DIODE, ZENER, MA8100-M
MISCELLANEOUS		
M601B	23103840	FERRITE CORE, TFE1013
M811A	23103778	FERRITE CORE, TFE1008
M811B	23103778	FERRITE CORE, TFE1008
M906A	23103778	FERRITE CORE, TFE1008
MB22C	23103840	FERRITE CORE, TFE1013
MB91A	23103839	FERRITE CORE, TFE1012
MC01A	23103840	FERRITE CORE, TFE1013
MJ22	23389360	FFC, P0.5-50P-L80(GOLD)
MJ22A	23103327	CORE, FERRITE W33X6.5X12 TFE1023
MJ60	23389360	FFC, P0.5-50P-L80(GOLD)
MJ60A	23103327	CORE, FERRITE W33X6.5X12 TFE1023
MV01A	23103840	FERRITE CORE, TFE1013
P801A	23103840	FERRITE CORE, TFE1013
PB502	23023128	JACK, PHONE J YKB21-5290N
PJ22A	23757180	CONNECTOR, FH12-50S-0.5SV(55)
PJ60A	23757180	CONNECTOR, FH12-50S-0.5SV(55)
PV05	23023438	JACK, PIN 6/6P JALCO YKC21-4617N
PV90	23713710	SOCKET, D-SUB 15P, KRD-8622
PC BOARD ASSEMBLIES		
✻ U104	23764386	PC BOARD ASSY, BACK AV PU PD2141B-1
✻ U105	23764387	PC BOARD ASSY, IR BLASTER PU PD2141B-2
✻ UD01	23148443	SIGNAL, DSB-SUM070B2
✻ UD02	23148445	MODULE, SEINE/D-TUNER DSB-SHU154B-

Location No.		Parts No.	Description
ACCESSORIES			
A701	#1	23067801	CARTON
	#2	23067803	CARTON
A703	#1	23946771	PACKING, TOP PACKING
	#2	23946772	PACKING, TOP PACKING
A708	#1	23946768	PACKING, BOTTOM PACKING
	#2	23946769	PACKING, BOTTOM PACKING
A709	#1	23067694	CARTON, BASE TRAY
	#2	23067695	CARTON, BASE TRAY
A710	#1	23946774	PACKING, SUPPORT POST
	#2	23946775	PACKING, SUPPORT POST
Y101E		23566726	OWNERS MANUAL, ENGLISH/FRENCH
CABINET PARTS			
⚠ A026		23533363	COVER, DOOR LAMP PURCHASE
A184		23469392	INSULATOR, 05_LENS_GASKET
⚠ A201	#1	23533335	COVER, BEZEL PURCHASE ASM
⚠	#2	23533339	COVER, BEZEL PURCHASE ASM
⚠ A205	#1	23533337	COVER, BACK COVER PURCHASE
⚠	#2	23533341	COVER, BACK COVER PURCHASE
⚠ A222	#1	23533521	COVER, PEDESTAL ASSY
⚠	#2	23533523	COVER, PEDESTAL ASSY
A224	#1	23433357	DECORATIVE, DECO TRIM ALUM
A227	#1	23940431	PIECE, TOUCHPAD TRIM PIECE
	#2	23940430	PIECE, TOUCHPAD TRIM PIECE
A231	#2	23940466	PIECE, PIECE SIDE RIGHT
A232	#2	23940467	PIECE, PIECE SIDE LEFT
⚠ A271	#1	23405474	OPTICAL ENGINE, LV-672 TB 0B
⚠	#2	23405476	OPTICAL ENGINE, LV-672 TB 0D
A329	#1	23433355	DECORATIVE, DECO FRAME, BEZEL
	#2	23433359	DECORATIVE, SCREEN DECO FRAME
⚠ A401		23533334	COVER, REAR COVER PURCHASE
A421		23533367	COVER, REAR COVER, DLE
E271S	#2	23447220	OTHER BLOCK, SERVICE BLK 62ENG
K501	#1	23311160	SCREEN, 52K5L2 LENTI 0.265MMP
	#2	23311149	SCREEN, 62K5N LENTICULAR SHEET
K502	#1	23311072	SCREEN, 52K4M FRESNEL SHEET
	#2	23311158	SCREEN, 62K5NF
K601	#1	23405453	MIRROR, 52G4M3
	#2	23405455	MIRROR, 62G4M3

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TOSHIBA

FILE NO. 020-200510

CIRCUIT DIAGRAMS

Projection Television

62HM95

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SCHEMATIC DIAGRAM

MODEL : 62HM95

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt
   1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt
   10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in F, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   Electolytic capacitor
   Mylar capacitor
3. The parts indicated with "⚠" have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage at 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

■ SCHEMATIC DIAGRAM STRUCTURE:

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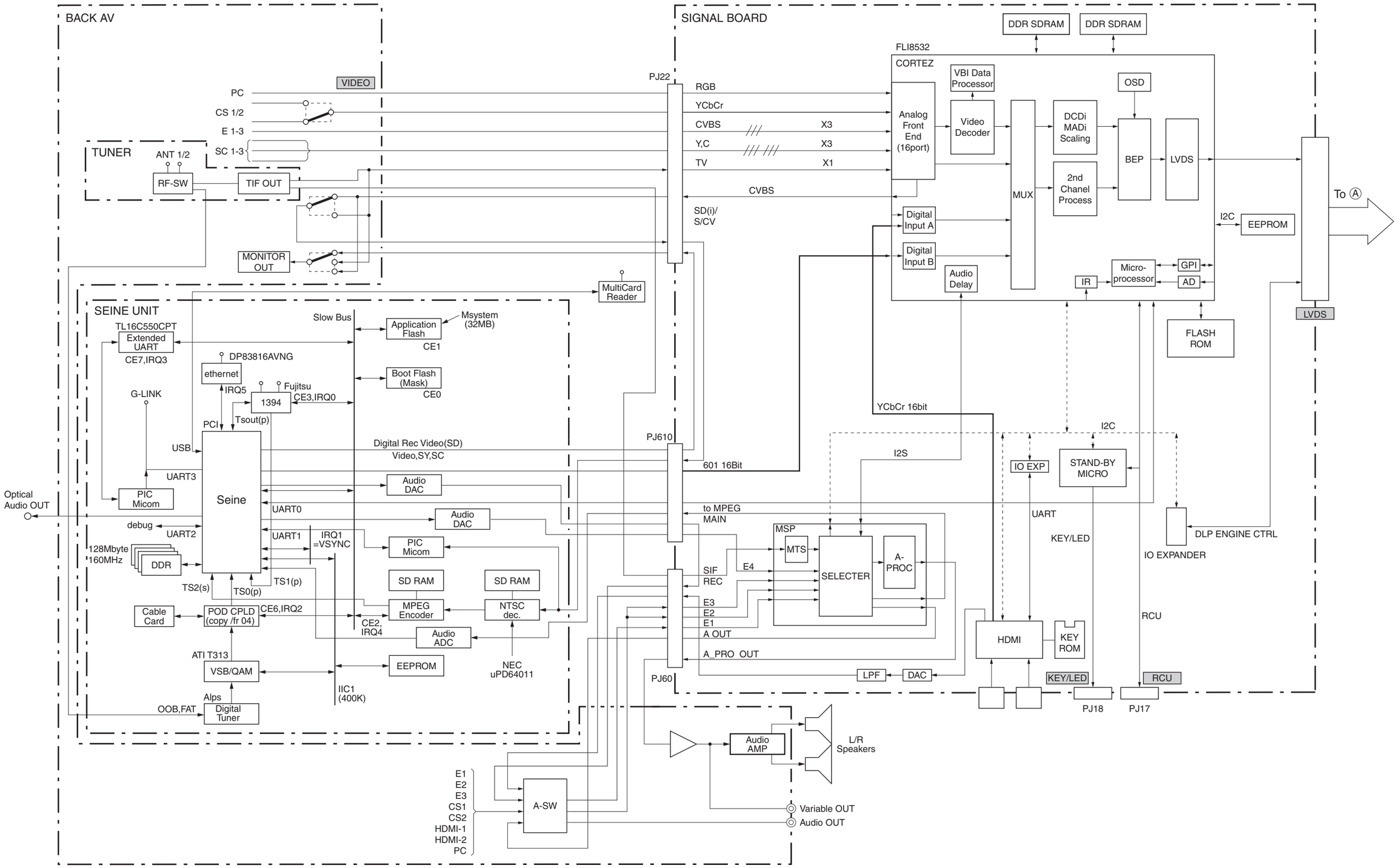
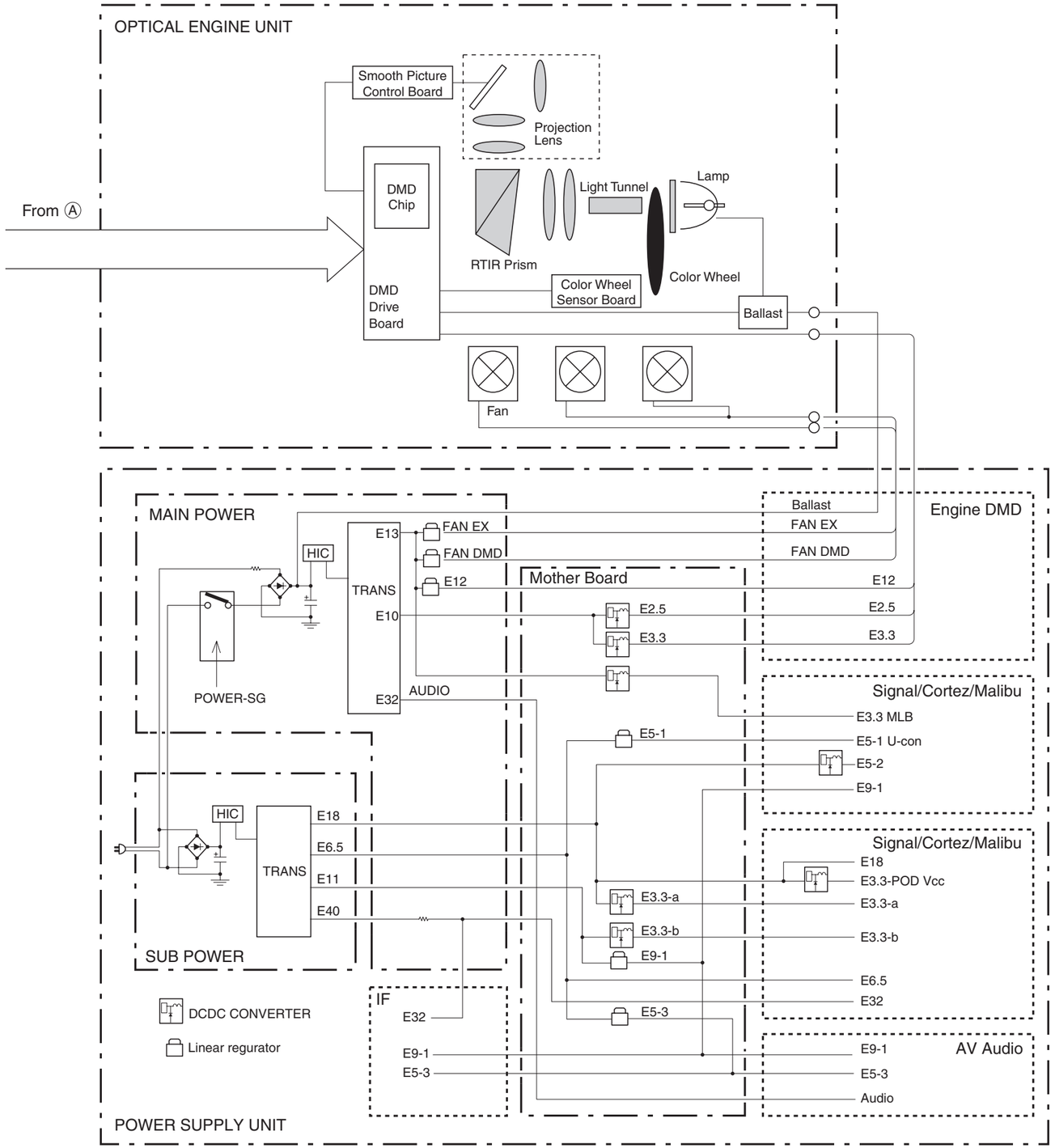
CIRCUIT BLOCK DIAGRAM




OPTICAL ENGINE UNIT
Smooth Picture Control Board
Projection Lens
From Ⓐ
DMD Chip
Light Tunnel
Lamp
RTIR Prism
Color Wheel
DMD Drive Board
Color Wheel Sensor Board
Ballast
Fan
MAIN POWER
HIC
E13
FAN EX
FAN DMD
E12
TRANS
E10
E32
AUDIO
POWER-SG
Mother Board
E2.5
E3.3
E5-1
E5-2
E9-1
E3.3-a
E3.3-b
E5-3
E6.5
E32
SUB POWER
HIC
E18
E6.5
E11
E40
TRANS
IF
E32
E9-1
E5-3
DCDC CONVERTER
Linear regurator
Engine DMD
Ballast
FAN EX
FAN DMD
E12
E2.5
E3.3
Signal/Cortez/Malibu
E3.3 MLB
E5-1 U-con
E5-2
E9-1
Signal/Cortez/Malibu
E18
E3.3-POD Vcc
E3.3-a
E3.3-b
E6.5
E32
AV Audio
E9-1
E5-3
Audio
POWER SUPPLY UNIT

TO SIGNAL BOARD

PJ22A
FFC_0.5mm_50P/FH12A-50S-0.5SV

PJ60A
FFC_0.5mm_50P/FH12A-50S-0.5SV

PB60
10P_2.5mm_1.5A_Beige

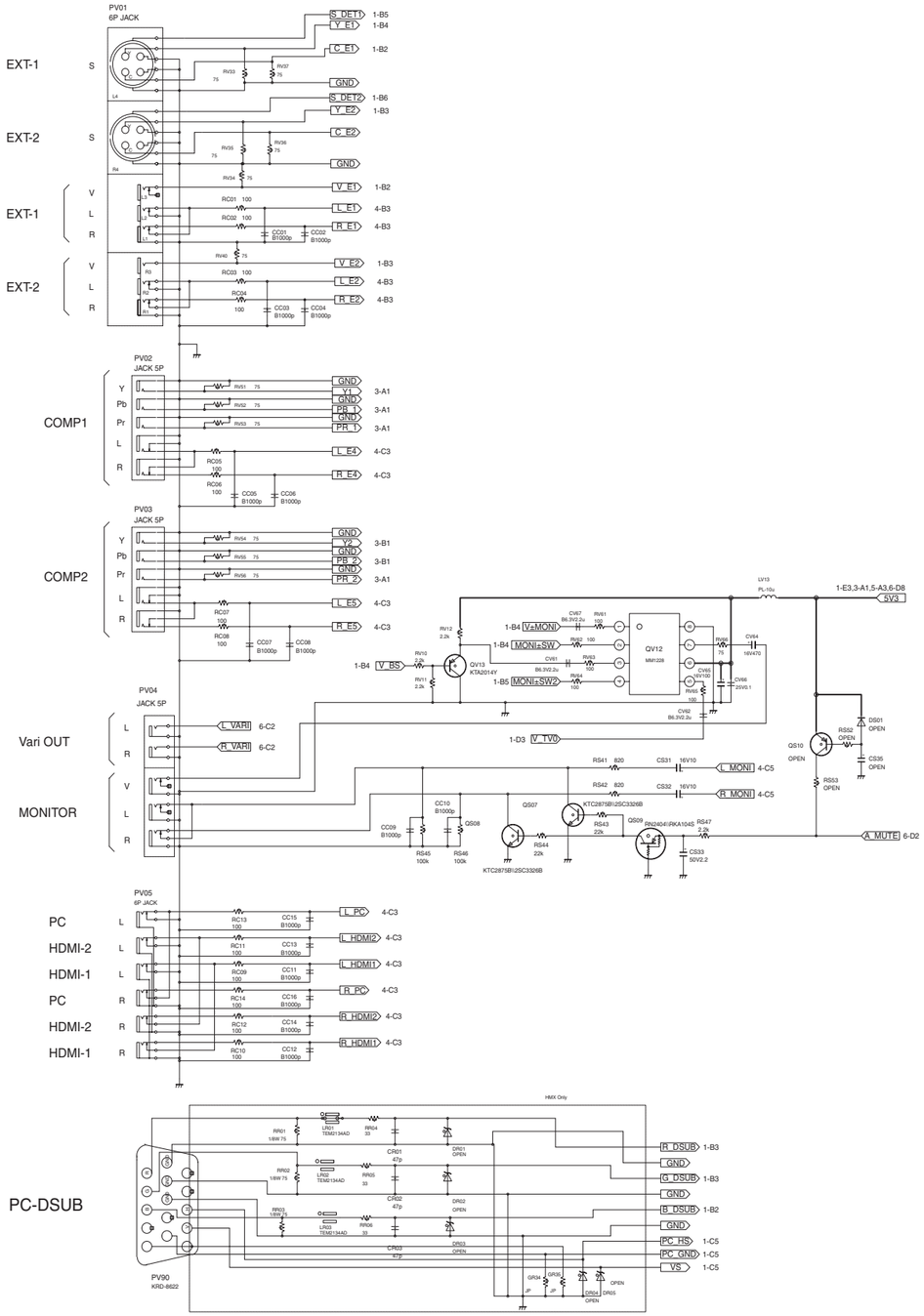
to FRONT (EXT-3)

PB03B
1P
TO IF BOARD
(TUNER GND)

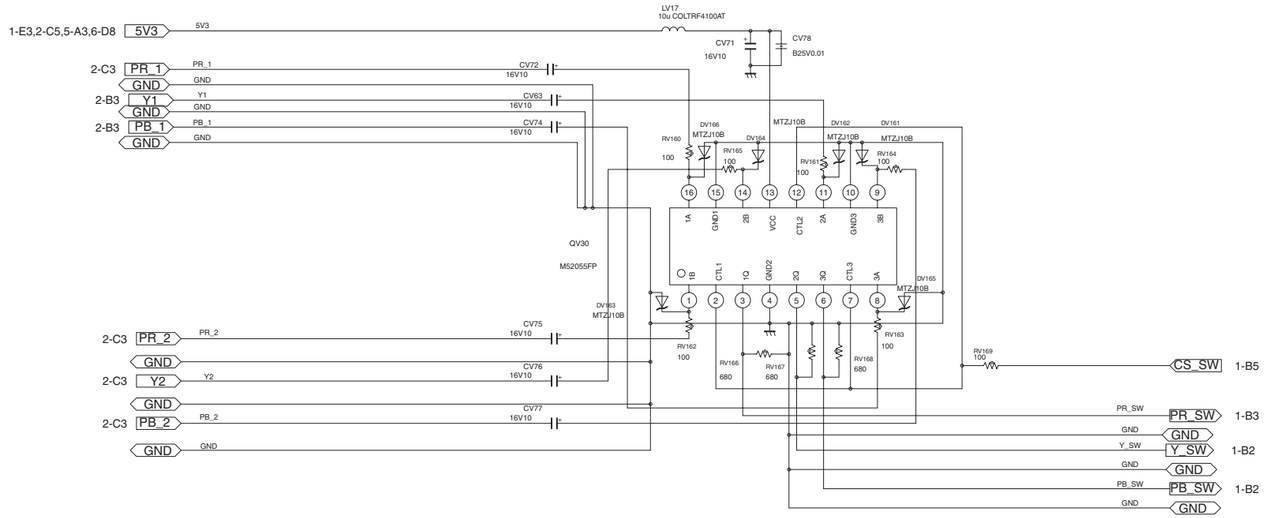
PB80A
26P(AF)

to Mother Board

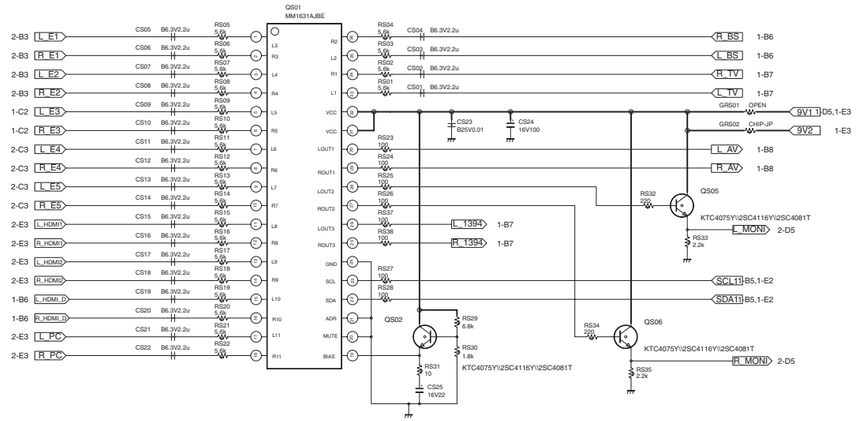
62HM95
BACK_AV (CONNECTORS)
SHEET-1/6



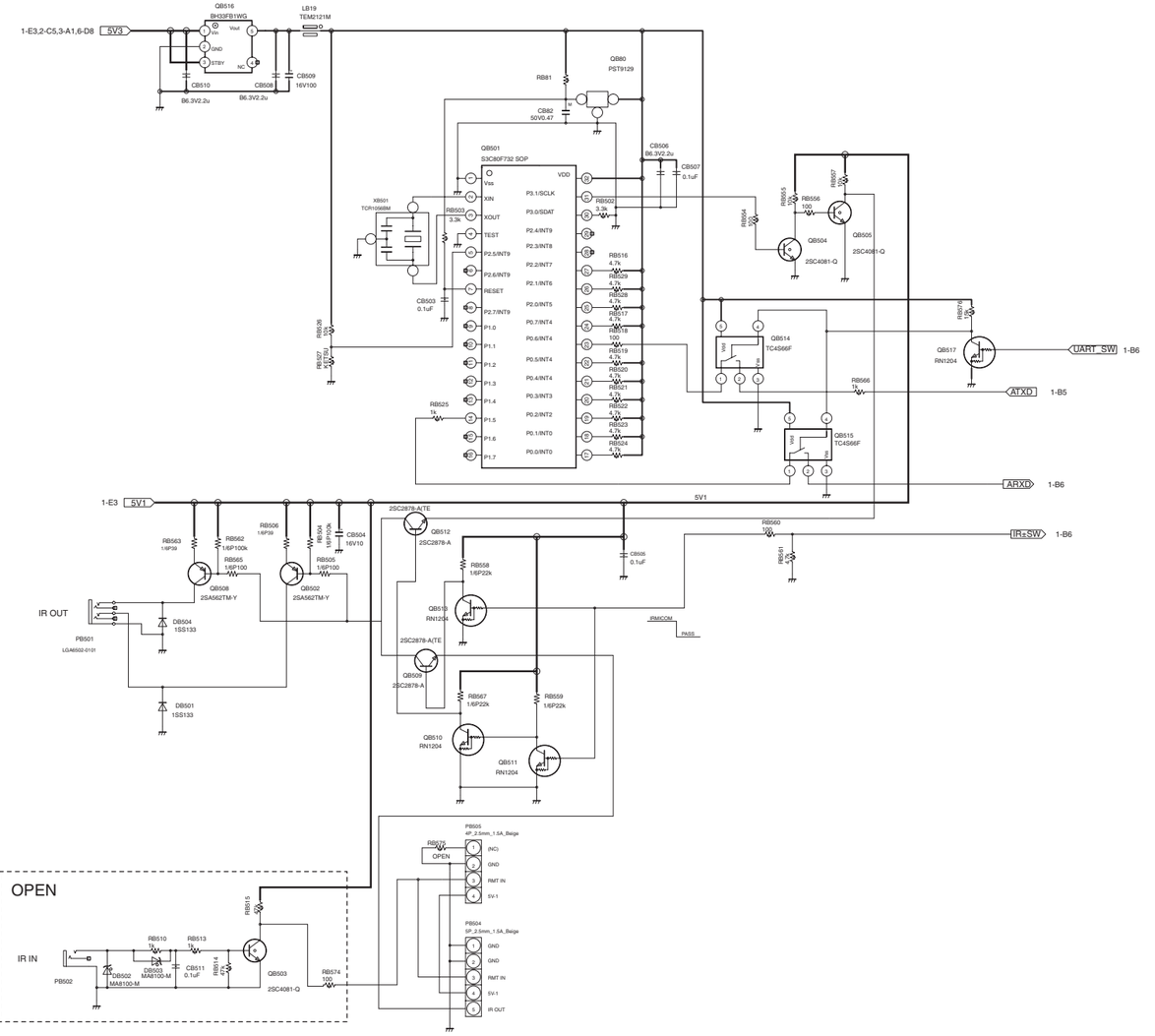
62HM95
BACK_AV (AV Jacks)
SHEET-2/6



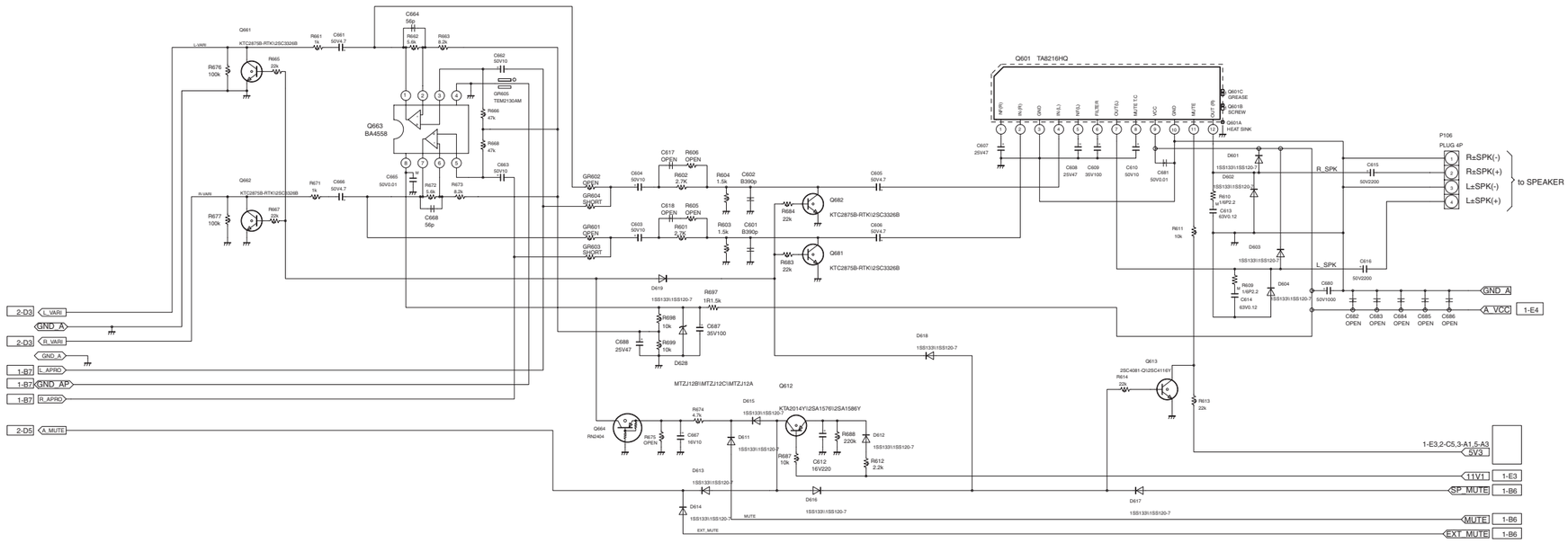
62HM95
BACK_AV (CS-SW)
SHEET-3/6



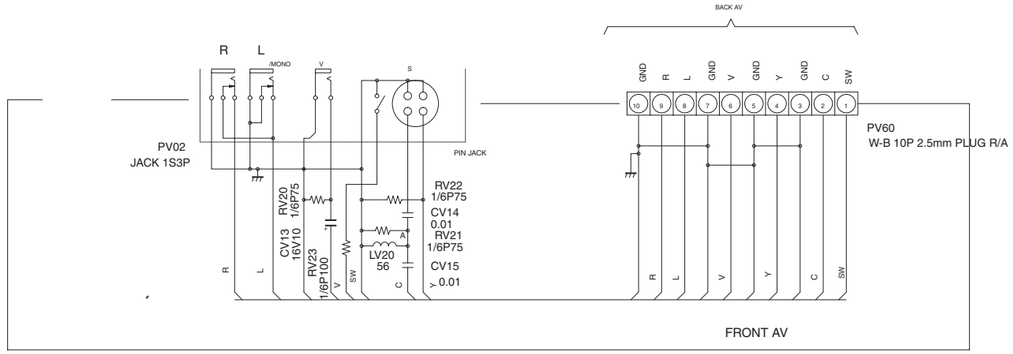
62HM95
BACK_AV (Audio Select)
SHEET-4/6

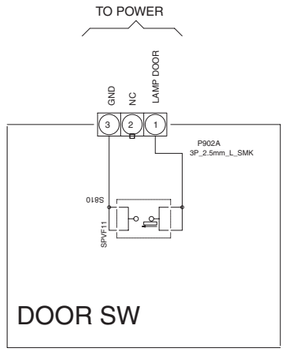


62HM95
BACK_AV (IR)
SHEET-5/6

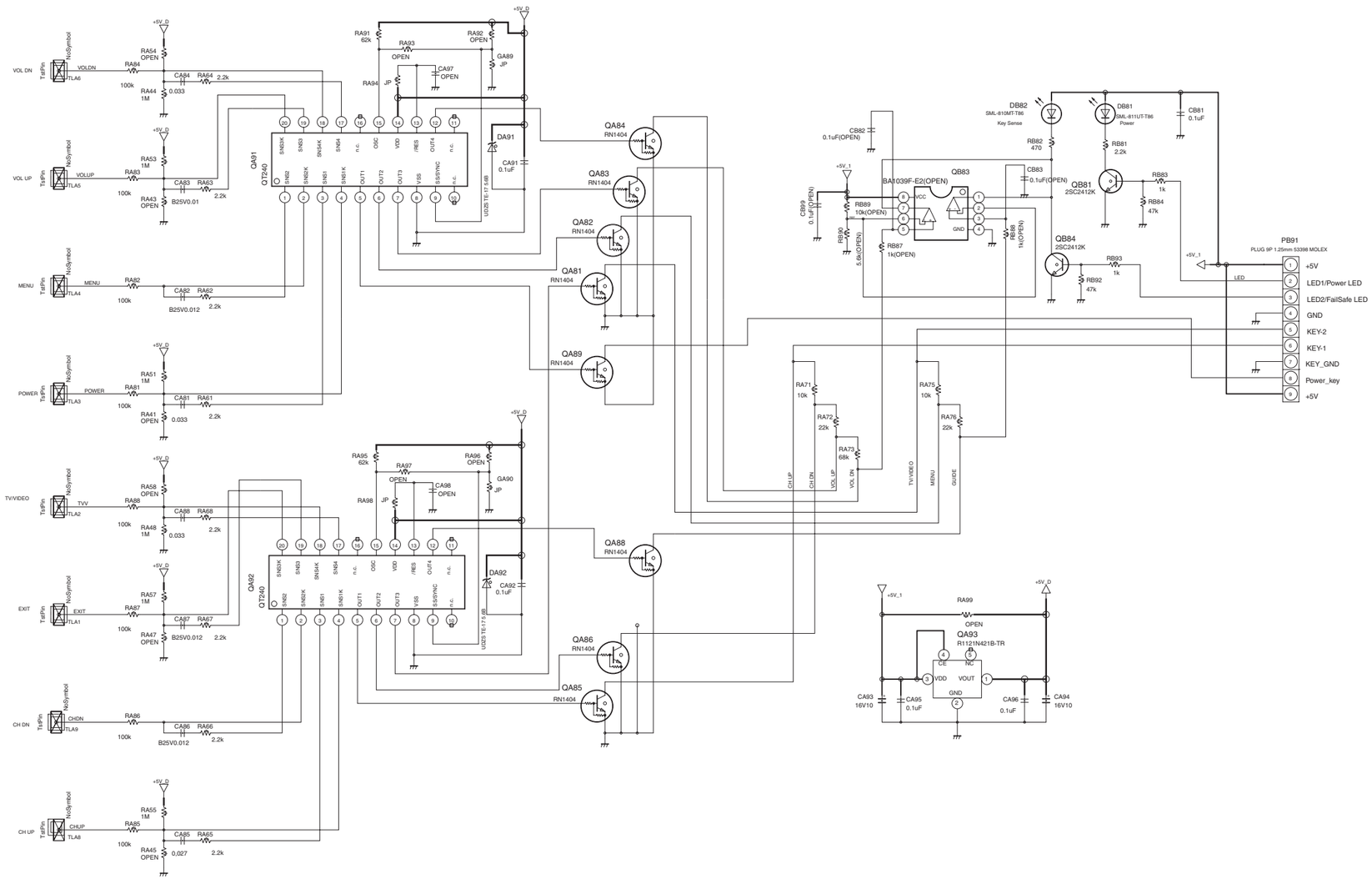


62HM95
BACK_AV (Audio OUT)
SHEET-6/6

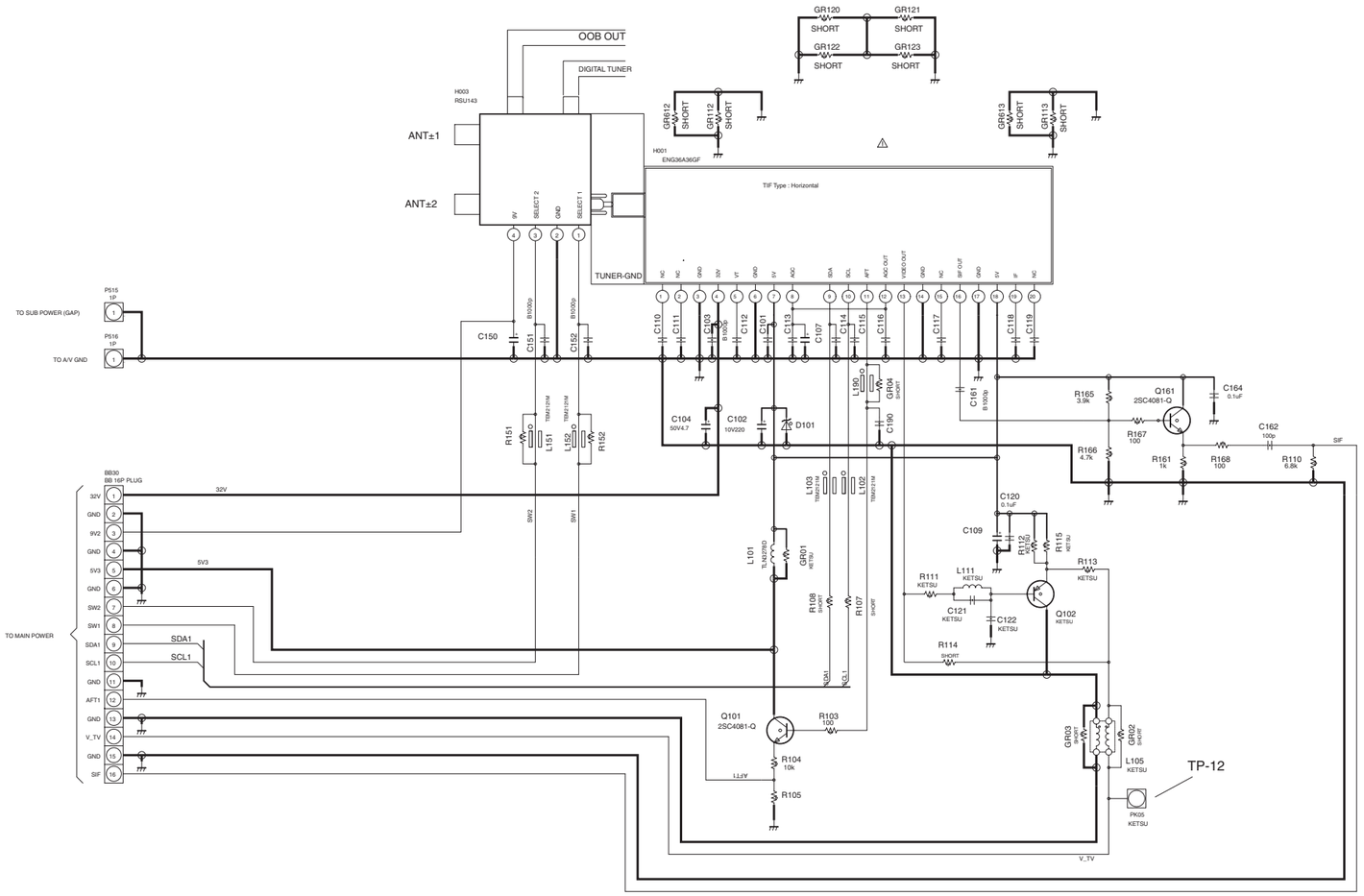




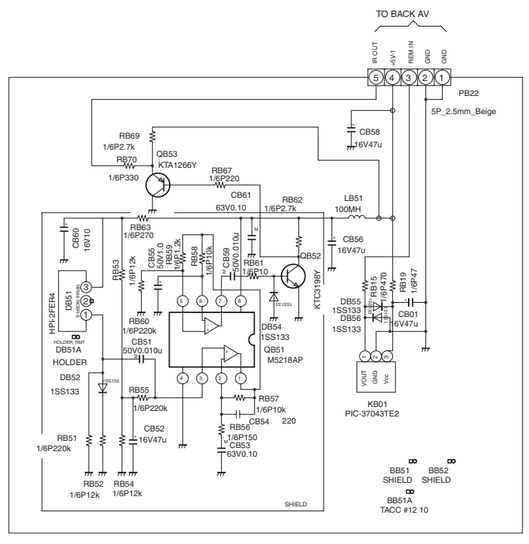
62HM95
FRONT_AV



62HM95
FRONT_KEY (TOUCH_CONTROL_PANEL)



62HM95
RF_SW/TIF



62HM95
IR_BRASTER

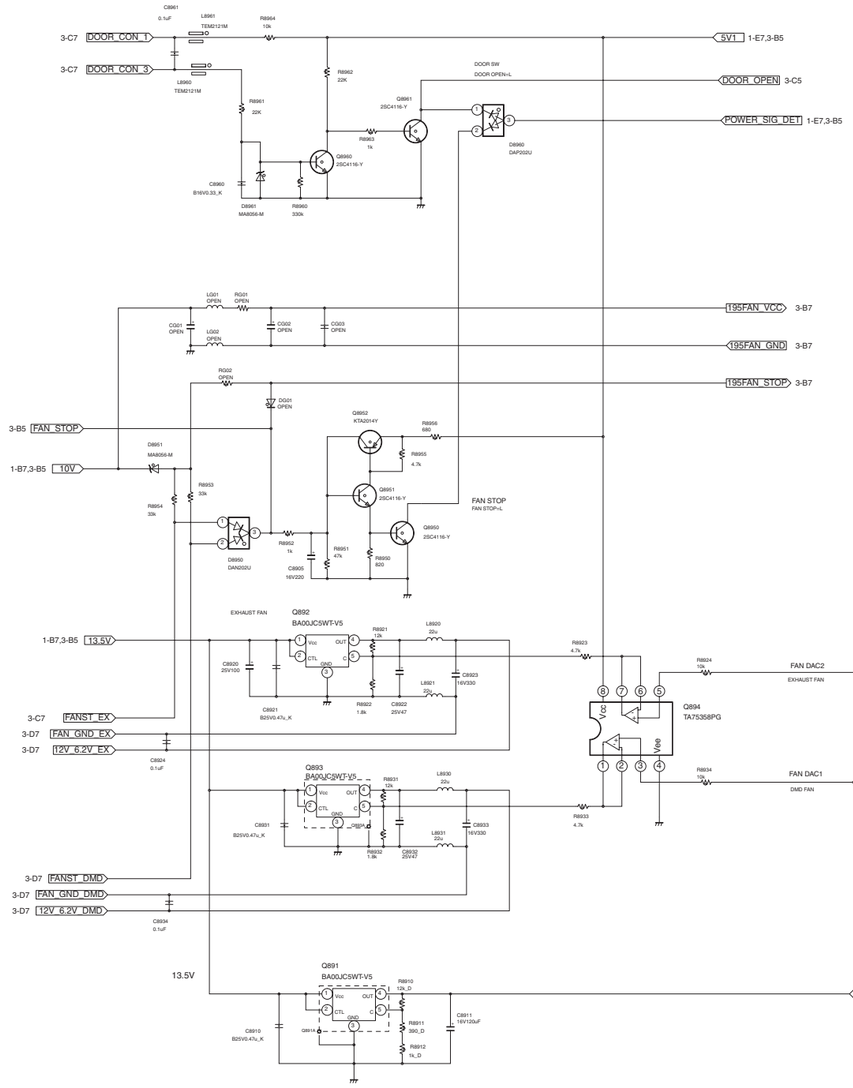
LIVE AREA

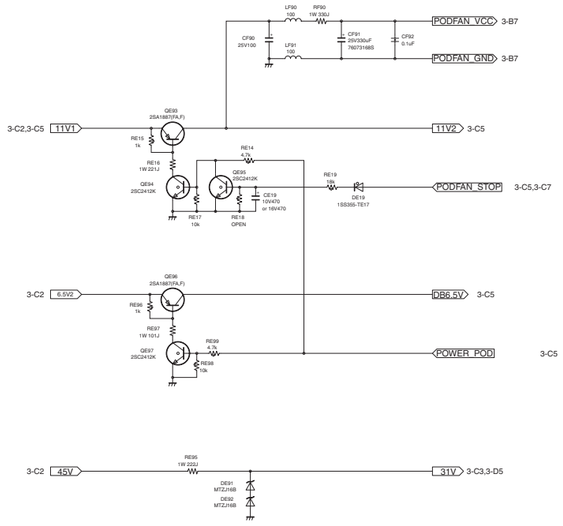
BALLAST

Thermo BREAKER

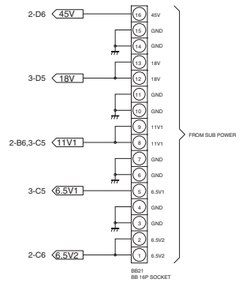
AC IN

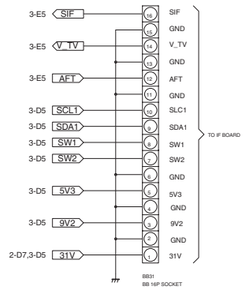
62HM95
MAIN_POWER
SHEET-1/3

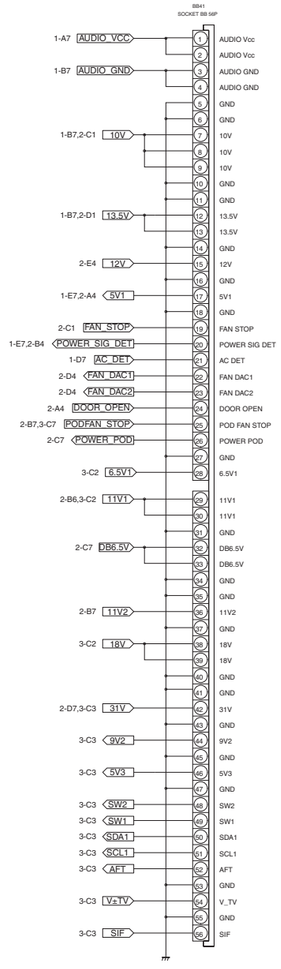




62HM95
MAIN_POWER (REG & PROTECT & SW)
SHEET-2/3

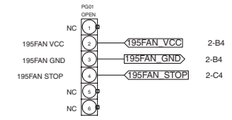




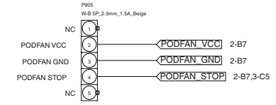


OPEN

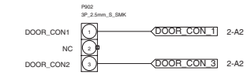
195 FAN



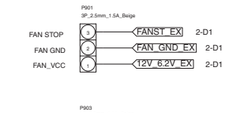
POD FAN



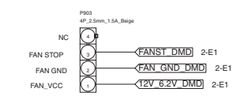
DOOR SWITCH



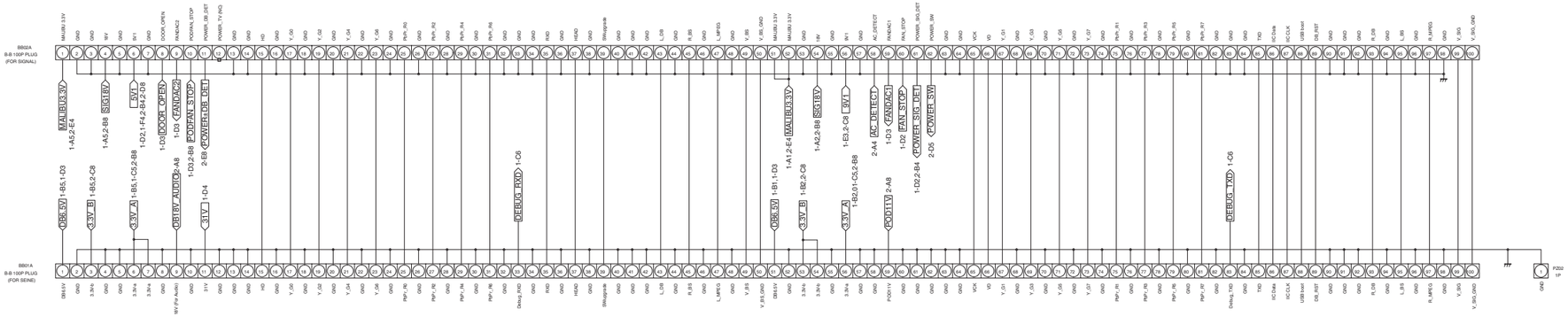
EXHAUST FAN

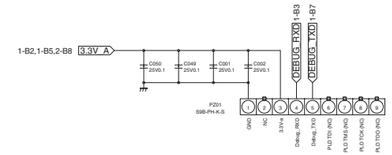


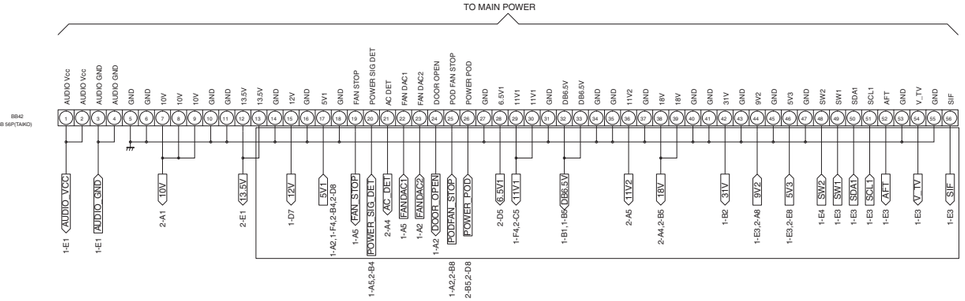
DMD FAN

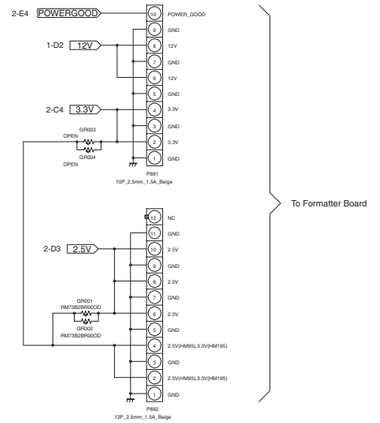


62HM95
MAIN_POWER (CONNECTOR)
SHEET-3/3









62HM95
MOTHER (CONNECTOR)
SHEET-1/2

1-D2 10V

LF10 TEM2126AM

CF12 16V680uF

CF10 16V680uF

CF09 16V680uF

CF11 0.1uF

QF10 BD9851EFV

SEL1 RT CT NONO2 INV2 FB2 DTC2 PVCC2 OUT2 PGND

GND STB VCC VREF INV1 FB1 SCP DTC1 PVCC1 OUT1

RF23 470k

RF25 15k_D

RF24 10k_D

CF29 B6.3V100u

CF25 B6.3V100u

RF28 OPEN

RF18 22k_D

RF19 470_J

CF13 470p

CF26 B25V0.01

RF26 6.8k

DF21 RB521S-30

RF22 47k_D

RF21 68k_D

RF20 6.8k_D

RF27 3.3k

CF27 B1000p

CF14 B16V1.0u

RF14 470k

CF17 0.047

DF11 RB521S-30

CF18 B6.3V10u

CF28 B6.3V10u

RF35 680k

RF29 3.3k

RF15 6.8k

CF16 B4700p

RF12 47k_D

RF13 1.5k

CF15 B3300p

RF11 100k_D

RF10 12k_D

1-D2 AC_DET

DE98 1SS355-TE17

1-D3,2-B5 18V

RE89 22K

RE90 10k

QE98 BD4746G

INC SUB GND VCC Vout

AC_DETECT 1-A5

5V1

1-A2,1-D2,1-F4,2-D8

DE99 1SS355-TE17

RE91 33k

RE93 22K

RE94 10k

QE99 KTC4075Y-RTK

RE92 100K

POWER_SIG_DET

1-A5,1-D2

RF33 33

QF11 RSQ035P03TR

SENSE Vo VIN Vc GND

QF12 OPEN

DMD 3.3V

LF14 OPEN

LF12 TLN3601AH

LF13 TEM2126AM

3.3V 1-D7

LF11 TLN3561AH

DF15 RSX301L-30

CF19 6.3V300u

CF57 OPEN

CF20 B6.3V10u

DF12 PTZ 4.7B

CF31 B6.3V10u

DF10 OPEN

QF21 RSQ035P03TR

QF22 OPEN

LF21 TLN3561AH

LF24 OPEN

LF22 TLN3601AH

LF23 TEM2126AM

DMD 2.5V

2.5V 1-E7

DF24 RB051L-30

CF22 6.3V300u

CF38 OPEN

CF23 B6.3V10u

DF22 PTZ 4.7B

CF24 B6.3V1.0u

DF20 OPEN

RF07 1.2k

RF09 10k

RF08 15k

QF05 BD4746G

NC SUB GND VCC Vout

POWERGOOD 1-D7

1-D2 13.5V

FF34 OPEN

LF30 OPEN

QF30 OPEN

Vc VIN Vo SENSE GND

CF35 OPEN

DF31 OPEN

LF31 OPEN

RF30 OPEN

DF33 OPEN

RF31 OPEN

RF32 OPEN

CF30 OPEN

CF31 OPEN

CF34 OPEN

CF32 OPEN

CF33 OPEN

LF32 OPEN

DF32 OPEN

C020 25V0.1

CF36 OPEN

C021 25V0.1

C022 25V0.1

LF33 OPEN

C023 25V0.1

MALIBU 3.3V

MALIBU3.3V 1-A1,1-A5

1-D3 11V2

FE30 125V_1.5A

C027 25V0.1

C028 25V0.1

POD11V 1-B5

LE59 TEM2130AM

QE59 BA90BC0FP

Vcc GND OUT

9V2 1-D4,1-E3

C024 25V0.1

C025 25V0.1

C026 25V0.1

CE57 25V47

CE58 B25V0.47u_K

CE59 16V120uF 76073151S

C029 25V0.1

C030 25V0.1

C051 25V0.1

DB18V_AUDIO 1-B2

L002 TEM2130AM

FE31 125V_1.5A

SIG18V 1-A2,1-A5

C036 25V0.1

C035 25V0.1

C034 25V0.1

C032 25V0.1

C033 25V0.1

C031 25V0.1

1-D3,2-A4 18V

FE32 125V_1.5A

LE30 10

QE30 PQ1CY1032Z

Vin Vsoft Vout Oadj COM

LE31 TLN3586AH

RE32 180_D

RE31 1.5k_D

RE30 1k_D

LE32 TLN3601AH

LE33 TEM2131AM

3.3V_A 1-B2,1-B5,1-C5

RE34 47k

RE33 1k

CE31 0.1uF

RE37 33k

RE36 10k

RE35 10k

QE32 KTC4075Y-RTK

QE31 KTC4075Y-RTK

CE30 35V220uF 76073183S

CE49 35V220uF 76073183S

DE30 RB095B-40

CE32 16V470u 76073153S

CE33 0.1uF

DE31 MA8047-M

CE34 B25V0.01

RE59 3.3k

PODFAN_STOP 1-A2,1-D3

1-D3,2-D8 POWER_POD

C037 25V0.1

C038 25V0.1

1-D3,1-F4 11V1

FE33 125V_2A

LE34 10

QE33 PQ1CY1032Z

LE35 TLN3586AH

RE50 180_D

RE39 1.5k_D

RE38 1k_D

LE36 TLN3601AH

LE37 TEM2131AM

3.3V_B 1-B2,1-B5

RE52 47k

RE51 1k

CE36 0.1uF

RE55 33k

RE54 10k

RE53 10k

QE35 KTC4075Y-RTK

QE34 KTC4075Y-RTK

CE35 25V330uF 76073168S

CE48 25V330uF 76073166S

DE32 RB095B-30

CE37 16V470u 76073153S

CE38 0.1uF

DE33 MA8047-M

CE39 B25V0.01

LE38 TEM2130AM

QE50 BA00BC0WFP-E2

Vcc CTL GND OUT ADJ

L003 TEM2130AM

9V1 1-A5,1-E3

RE24 10k

RE23 47k

CE50 25V47

CE51 B25V0.47u_K

RE58 12k_D

RE57 82k_D

CE52 16V120uF 76073151S

RE56 15k_D

C048 25V0.1

C043 25V0.1

C042 25V0.1

C041 25V0.1

C040 25V0.1

C039 25V0.1

1-A5 POWER_SW

RE20 33k

RE21 10k

RE22 10k

QE52 KTC4075Y-RTK

QE51 KTC4075Y-RTK

1-D3 6.5V1

LE40 TEM2130AM

QE40 BA00BC0WFP-E2

Vcc CTL GND OUT ADJ

5V1 1-A2,1-D2,1-F4,2-B4

CE40 16V47

CE41 B16V0.33_K

RE41 82k_D

CE42 10V100u 76073137S

RE40 27k_D

QE21 KTA2014Y

POWER_POD 1-D3,2-B5

RE42 10k

RE43 22K

RE45 22K

QE22 KTC4075Y-RTK

RE44 10k

POWER_DB_DET 1-A2

QE53 BA00BC0WFP-E2

Vcc CTL GND OUT ADJ

5V3 1-D4,1-E3

RE29 10k

RE28 47k

RE25 33k

RE26 10k

RE27 10k

QE55 KTC4075Y-RTK

QE54 KTC4075Y-RTK

CE53 16V47

CE54 B16V0.33_K

RE49 1k_D

RE48 100k_D

CE55 10V100u 76073137S

RE47 33k_D

C044 25V0.1

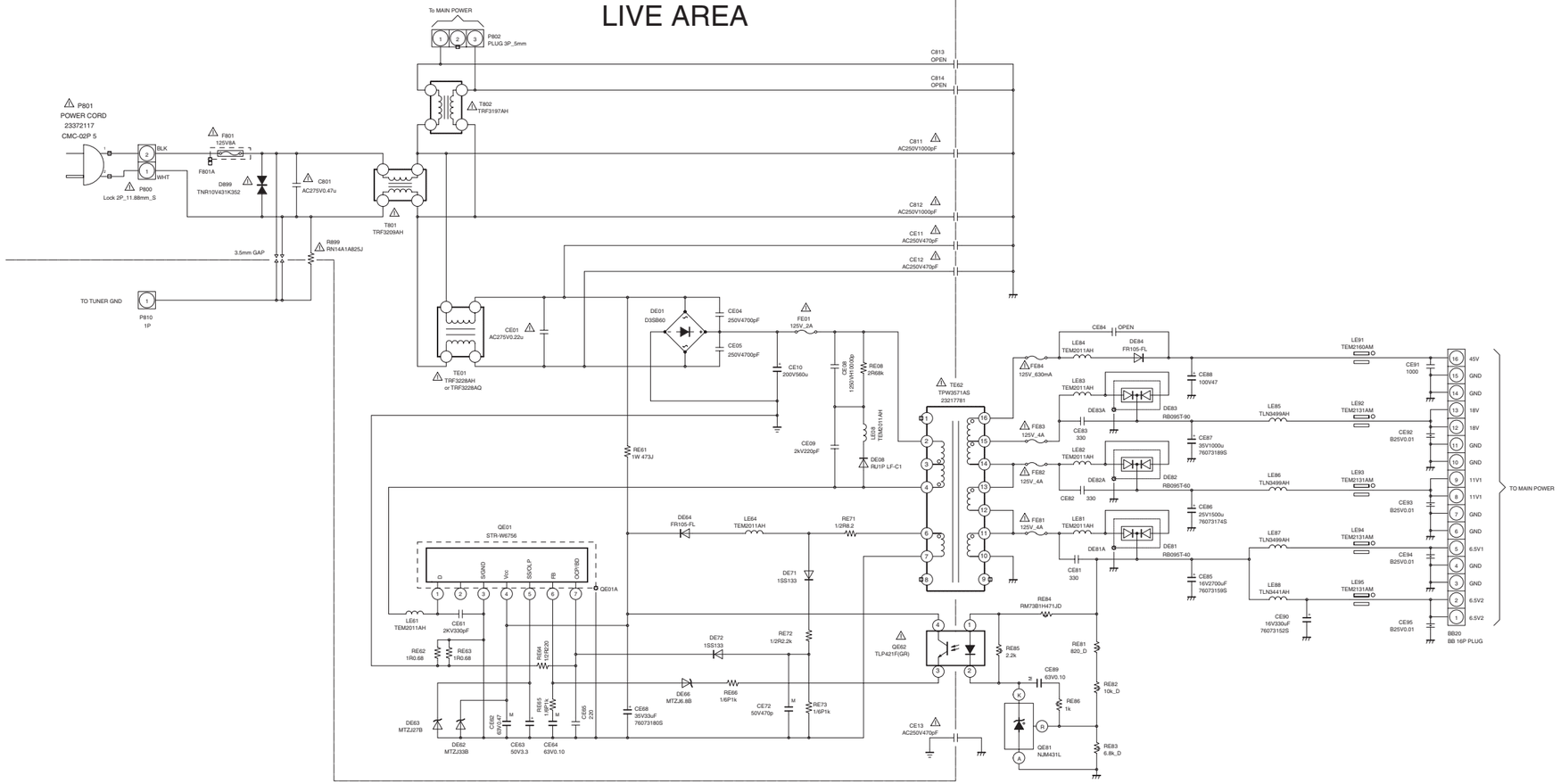
C045 25V0.1

C046 25V0.1

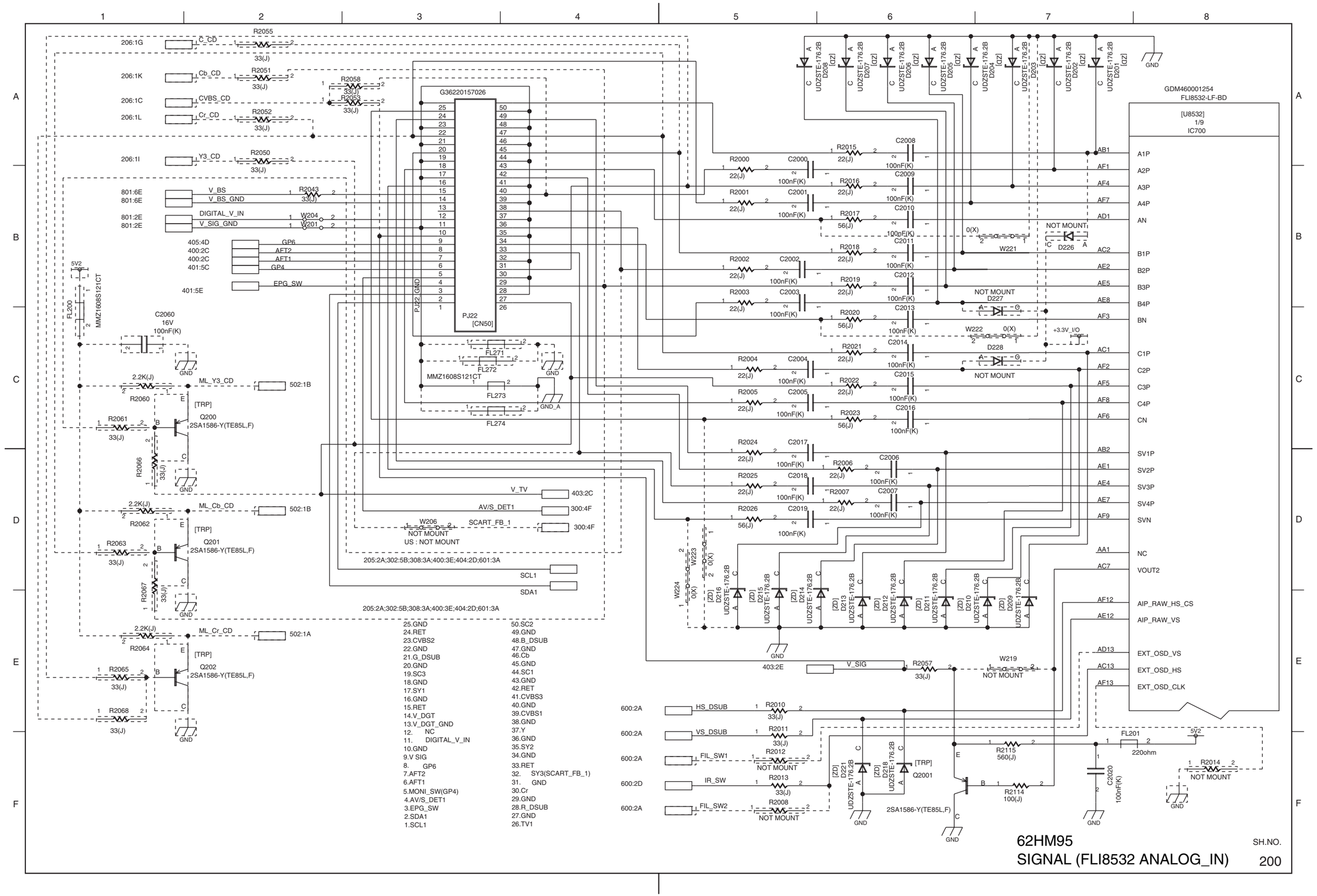
C047 25V0.1

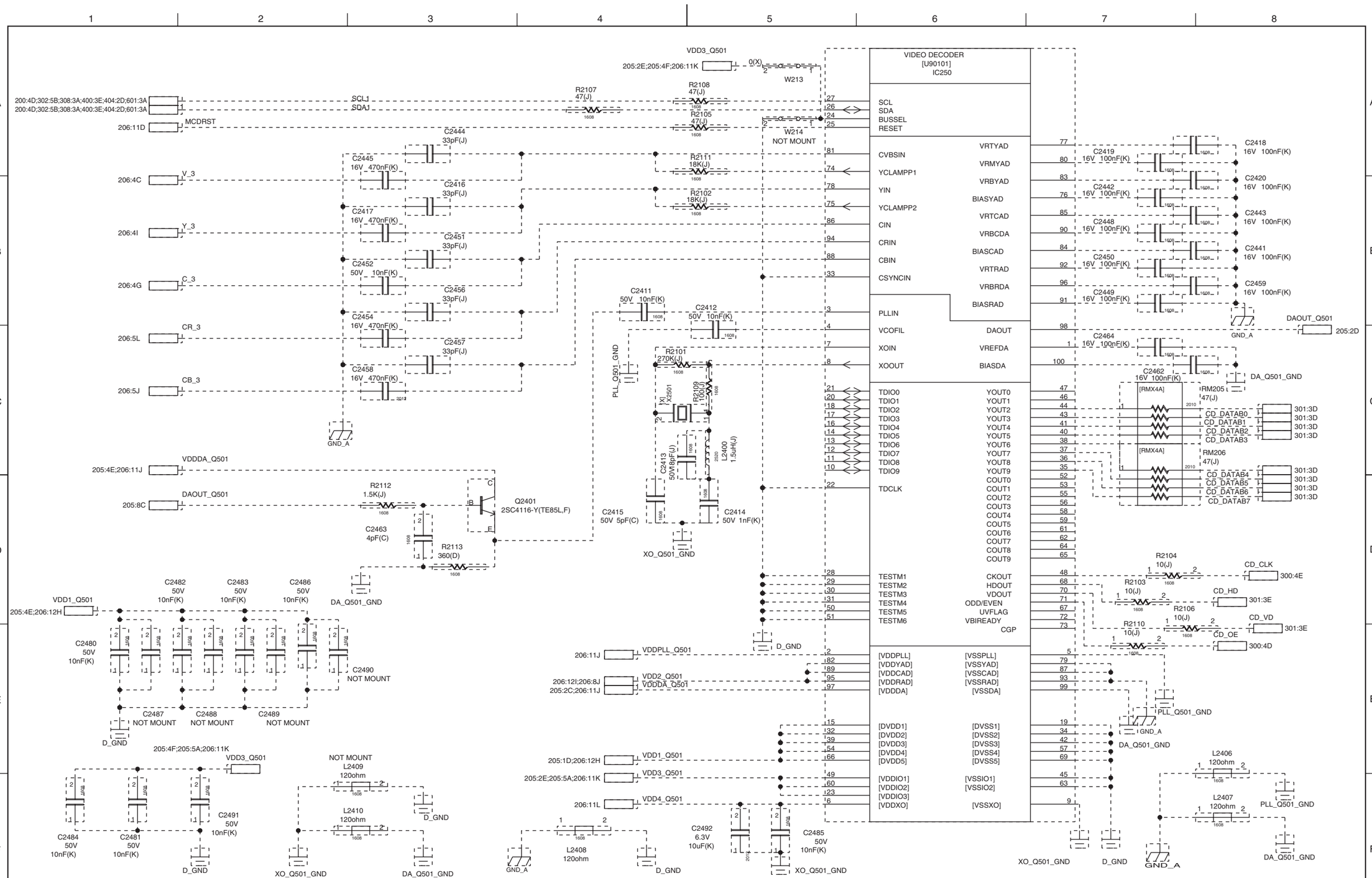
62HM95
MOTHER (REG)
SHEET-2/2

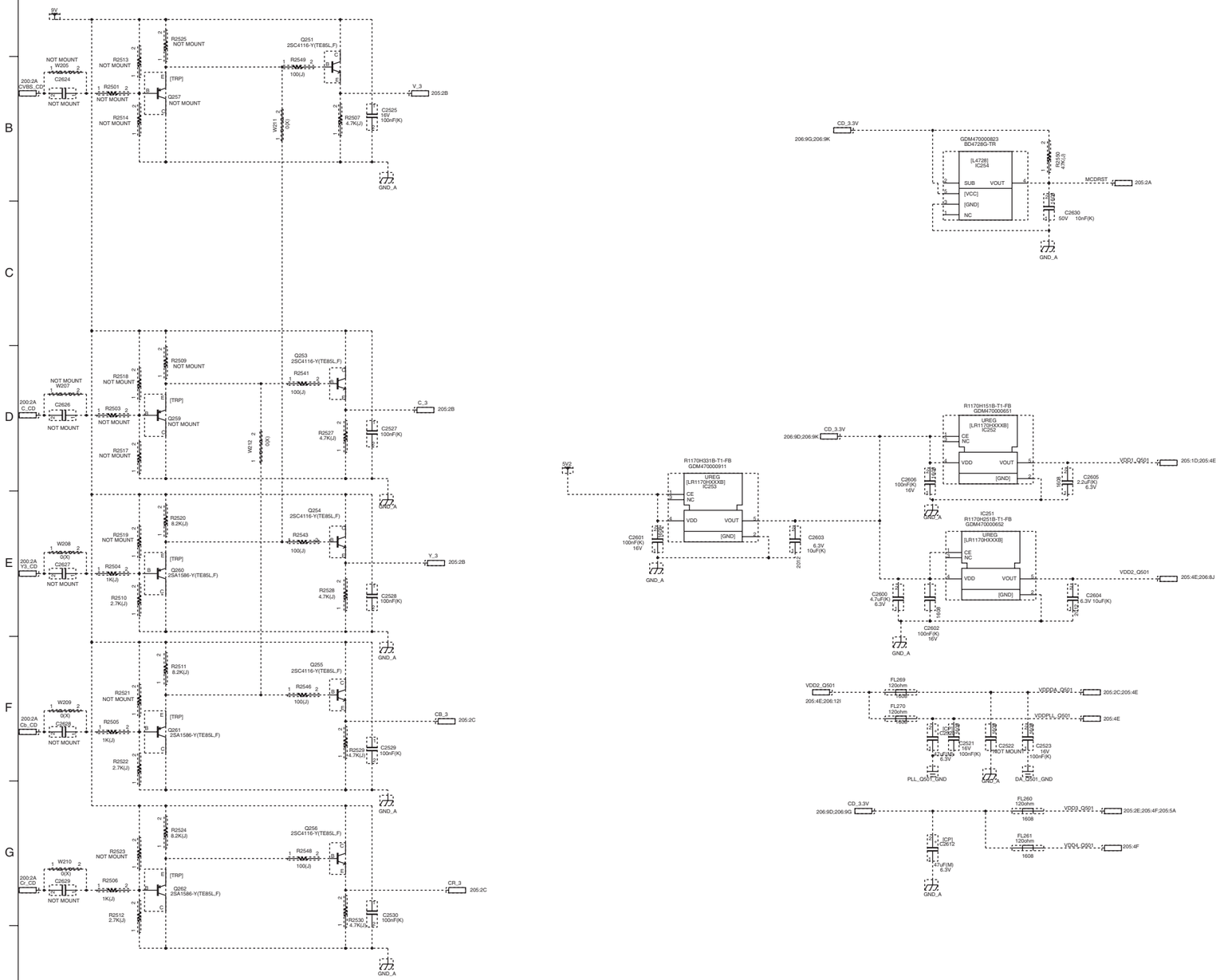
LIVE AREA



62HM95
SUB POWER

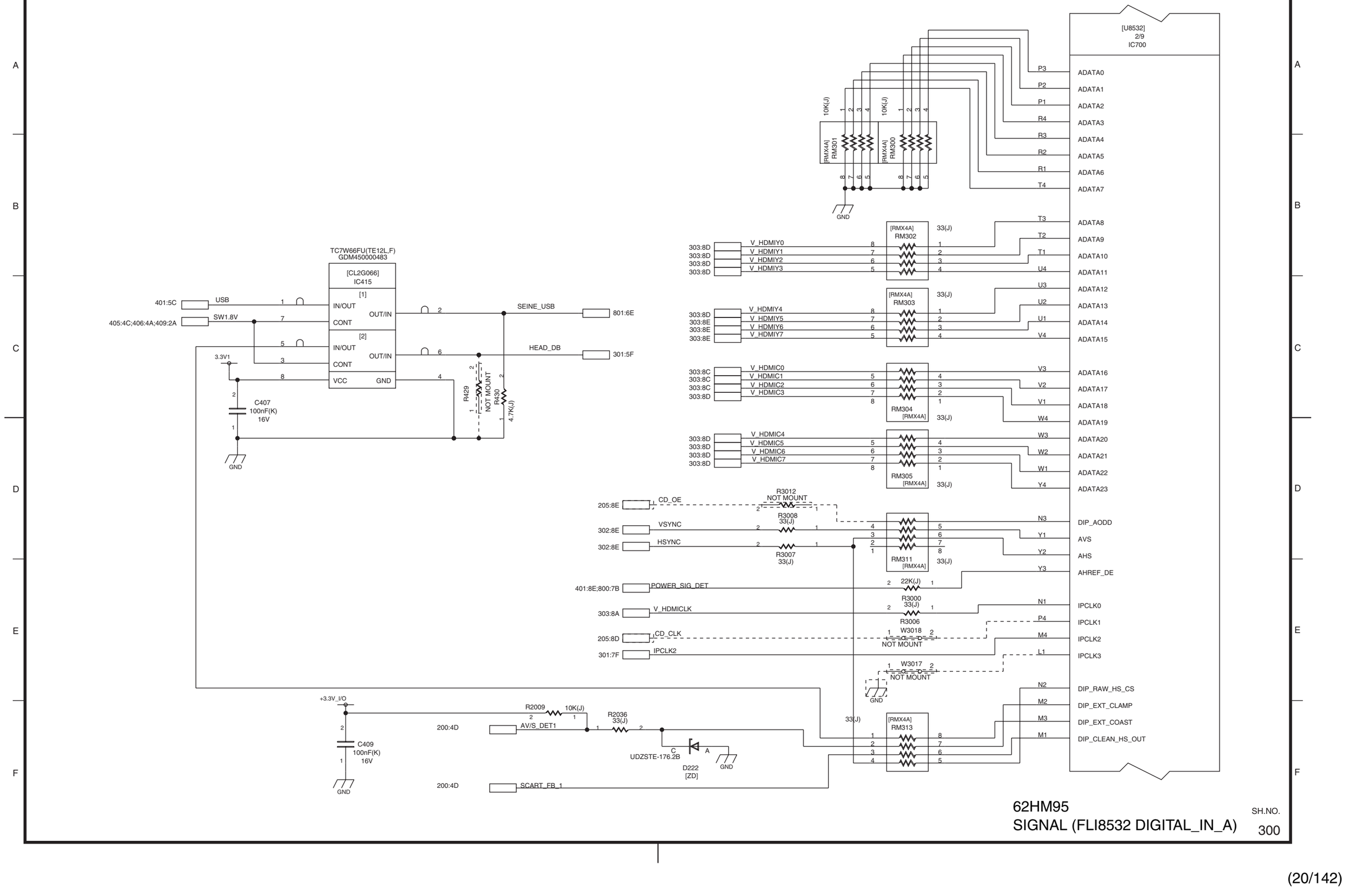

GDM460001254
FLI8532-LF-BD
[U8532]
1/9
IC700
A1P
A2P
A3P
A4P
AN
B1P
B2P
B3P
B4P
BN
C1P
C2P
C3P
C4P
CN
SV1P
SV2P
SV3P
SV4P
SVN
NC
VOUT2
AIP_RAW_HS_CS
AIP_RAW_VS
EXT_OSD_VS
EXT_OSD_HS
EXT_OSD_CLK
G36220157026
PJ22
[CN50]
PJ22_GND
25.GND
24.RET
23.CVBS2
22.GND
21.G_DSUB
20.GND
19.SC3
18.GND
17.SY1
16.GND
15.RET
14.V_DGT
13.V_DGT_GND
12. NC
11. DIGITAL_V_IN
10.GND
9.V SIG
8. GP6
7.AFT2
6.AFT1
5.MONI_SW(GP4)
4.AV/S_DET1
3.EPG_SW
2.SDA1
1.SCL1
50.SC2
49.GND
48.B_DSUB
47.GND
46.Cb
45.GND
44.SC1
43.GND
42.RET
41.CVBS3
40.GND
39.CVBS1
38.GND
37.Y
36.GND
35.SY2
34.GND
33.RET
32. SY3(SCART_FB_1)
31. GND
30.Cr
29.GND
28.R_DSUB
27.GND
26.TV1
C_CD
Cb_CD
CVBS_CD
Cr_CD
Y3_CD
V_BS
V_BS_GND
DIGITAL_V_IN
V_SIG_GND
GP6
AFT2
AFT1
GP4
EPG_SW
ML_Y3_CD
ML_Cb_CD
ML_Cr_CD
Q200
Q201
Q202
2SA1586-Y(TE85L,F)
[TRP]
V_TV
AV/S_DET1
SCART_FB_1
SCL1
SDA1
V_SIG
HS_DSUB
VS_DSUB
FIL_SW1
IR_SW
FIL_SW2
Q2001
2SA1586-Y(TE85L,F)
UDZSTE-176.2B
NOT MOUNT
US : NOT MOUNT
62HM95
SIGNAL (FLI8532 ANALOG_IN)
SH.NO.
200

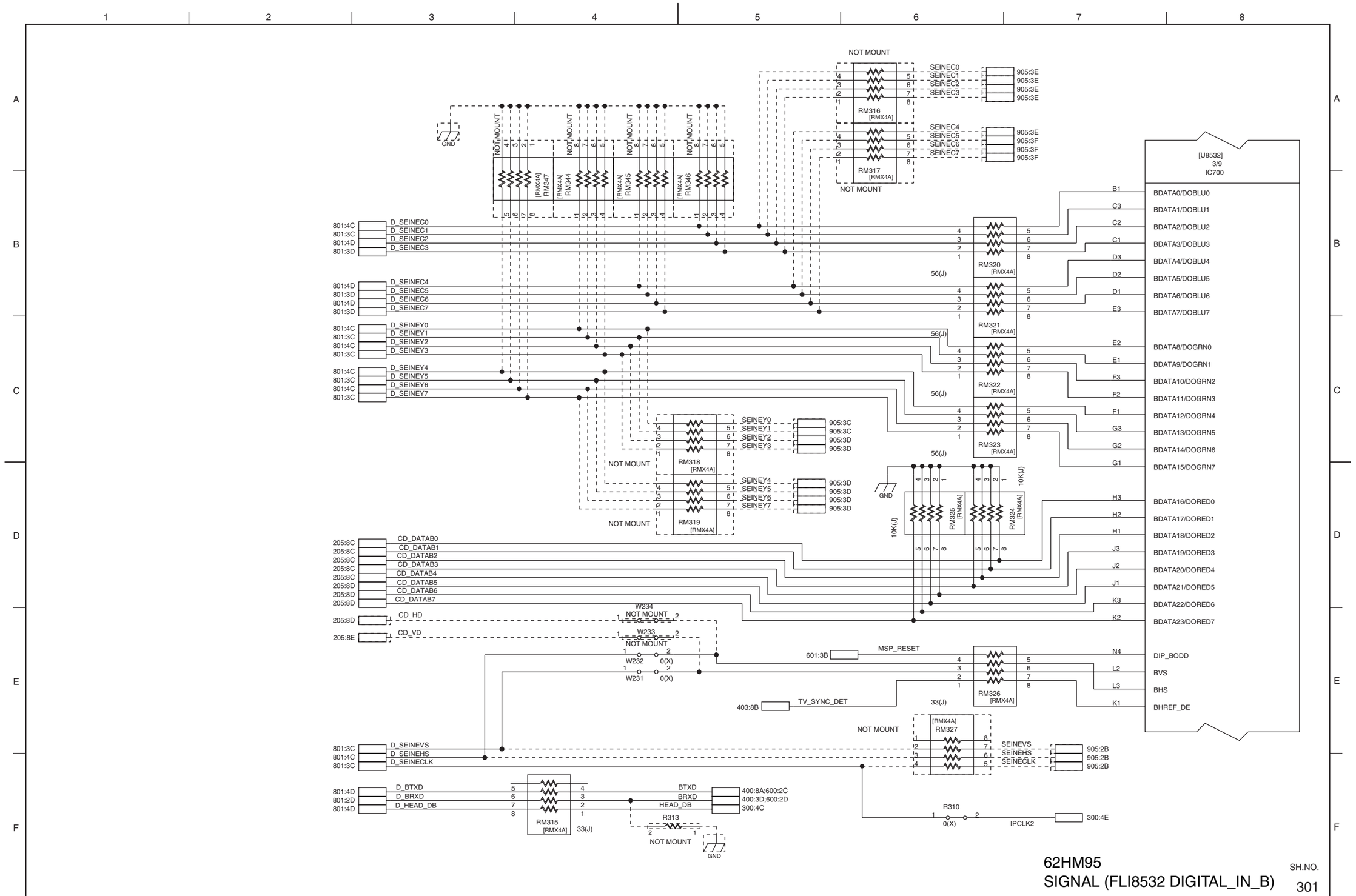

VIDEO DECODER
[U90101]
IC250
SCL
SDA
BUSSEL
RESET
CVBSIN
YCLAMPP1
YIN
YCLAMPP2
CIN
CRIN
CBIN
CSYNCIN
PLLIN
VCOFIL
XOIN
XOOUT
TDIO0
TDIO1
TDIO2
TDIO3
TDIO4
TDIO5
TDIO6
TDIO7
TDIO8
TDIO9
TDCLK
TESTM1
TESTM2
TESTM3
TESTM4
TESTM5
TESTM6
[VDDPLL]
[VDDYAD]
[VDDCAD]
[VDDRAD]
[VDDDA]
[DVDD1]
[DVDD2]
[DVDD3]
[DVDD4]
[DVDD5]
[VDDIO1]
[VDDIO2]
[VDDIO3]
[VDDXO]
VRTYAD
VRMYAD
VRBYAD
BIASYAD
VRTCAD
VRBCDA
BIASCAD
VRTRAD
VRBRDA
BIASRAD
DAOUT
VREFDA
BIASDA
YOUT0
YOUT1
YOUT2
YOUT3
YOUT4
YOUT5
YOUT6
YOUT7
YOUT8
YOUT9
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
COUT8
COUT9
CKOUT
HDOUT
VDOUT
ODD/EVEN
UVFLAG
VBIREADY
CGP
[VSSPLL]
[VSSYAD]
[VSSCAD]
[VSSRAD]
[VSSDA]
[DVSS1]
[DVSS2]
[DVSS3]
[DVSS4]
[DVSS5]
[VSSIO1]
[VSSIO2]
[VSSXO]
VDD3_Q501
205:2E;205:4F;206:11K
0(X)
W213
W214
NOT MOUNT
R2107 47(J)
R2108 47(J)
R2105 47(J)
SCL1
SDA1
200:4D;302:5B;308:3A;400:3E;404:2D;601:3A
206:11D
MCDRST
R2111 18K(J)
R2102 18K(J)
R2101 270K(J)
206:4C
V_3
206:4I
Y_3
206:4G
C_3
206:5L
CR_3
206:5J
CB_3
C2444 33pF(J)
C2445 16V 470nF(K)
C2416 33pF(J)
C2417 16V 470nF(K)
C2451 33pF(J)
C2452 50V 10nF(K)
C2456 33pF(J)
C2454 16V 470nF(K)
C2457 33pF(J)
C2458 16V 470nF(K)
C2411 50V 10nF(K)
C2412 50V 10nF(K)
PLL_Q501_GND
X2501
R2109 100(J)
L2400 1.5uH(J)
C2413 50V18pF(J)
C2415 50V 5pF(C)
C2414 50V 1nF(K)
XO_Q501_GND
GND_A
VDDA_Q501
205:4E;206:11J
DAOUT_Q501
205:8C
R2112 1.5K(J)
Q2401 2SC4116-Y(TE85L,F)
C2463 4pF(C)
R2113 360(D)
DA_Q501_GND
C2482 50V 10nF(K)
C2483 50V 10nF(K)
C2486 50V 10nF(K)
VDD1_Q501
205:4E;206:12H
C2480 50V 10nF(K)
C2490 NOT MOUNT
C2487 NOT MOUNT
C2488 NOT MOUNT
C2489 NOT MOUNT
D_GND
205:4F;205:5A;206:11K
VDD3_Q501
C2484 50V 10nF(K)
C2481 50V 10nF(K)
C2491 50V 10nF(K)
NOT MOUNT
L2409 120ohm
L2410 120ohm
XO_Q501_GND
DA_Q501_GND
D_GND
206:11J
VDDPLL_Q501
206:12I;206:8J
205:2C;206:11J
VDD2_Q501
VDDA_Q501
205:1D;206:12H
VDD1_Q501
205:2E;205:5A;206:11K
VDD3_Q501
206:11L
VDD4_Q501
L2408 120ohm
C2492 6.3V 10uF(K)
C2485 50V 10nF(K)
XO_Q501_GND
D_GND
GND_A
C2419 16V 100nF(K)
C2442 16V 100nF(K)
C2448 16V 100nF(K)
C2450 16V 100nF(K)
C2449 16V 100nF(K)
C2464 16V 100nF(K)
C2462 16V 100nF(K)
C2418 16V 100nF(K)
C2420 16V 100nF(K)
C2443 16V 100nF(K)
C2441 16V 100nF(K)
C2459 16V 100nF(K)
DAOUT_Q501
205:2D
DA_Q501_GND
[RMX4A]
RM205 47(J)
RM206 47(J)
CD_DATAB0
CD_DATAB1
CD_DATAB2
CD_DATAB3
CD_DATAB4
CD_DATAB5
CD_DATAB6
CD_DATAB7
301:3D
R2104 10(J)
R2103 10(J)
R2106 10(J)
R2110 10(J)
CD_CLK
CD_HD
CD_VD
CD_OE
300:4E
301:3E
300:4D
PLL_Q501_GND
L2406 120ohm
L2407 120ohm
62HM95
SIGNAL (TC90101FG)
SH.NO.
205

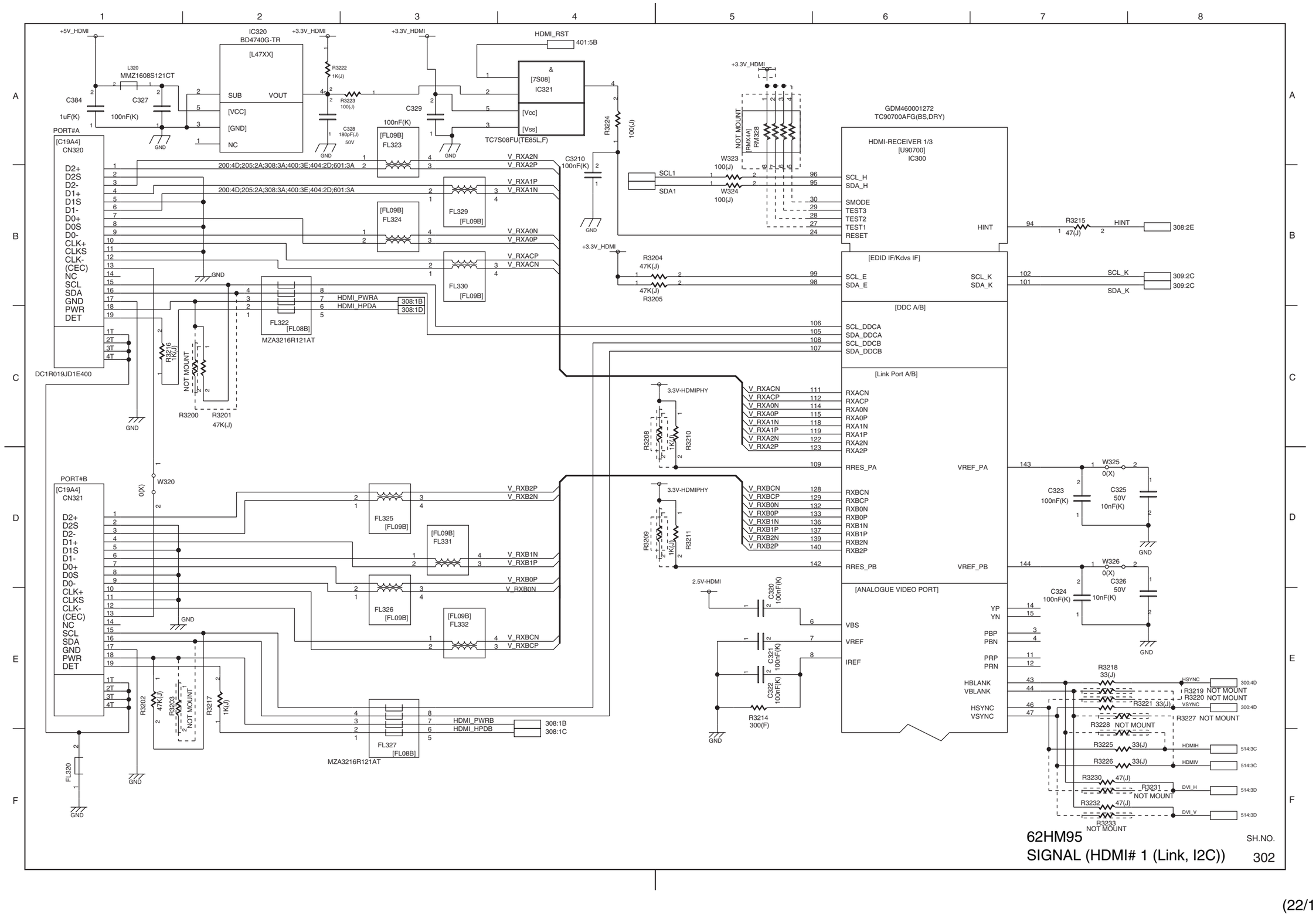


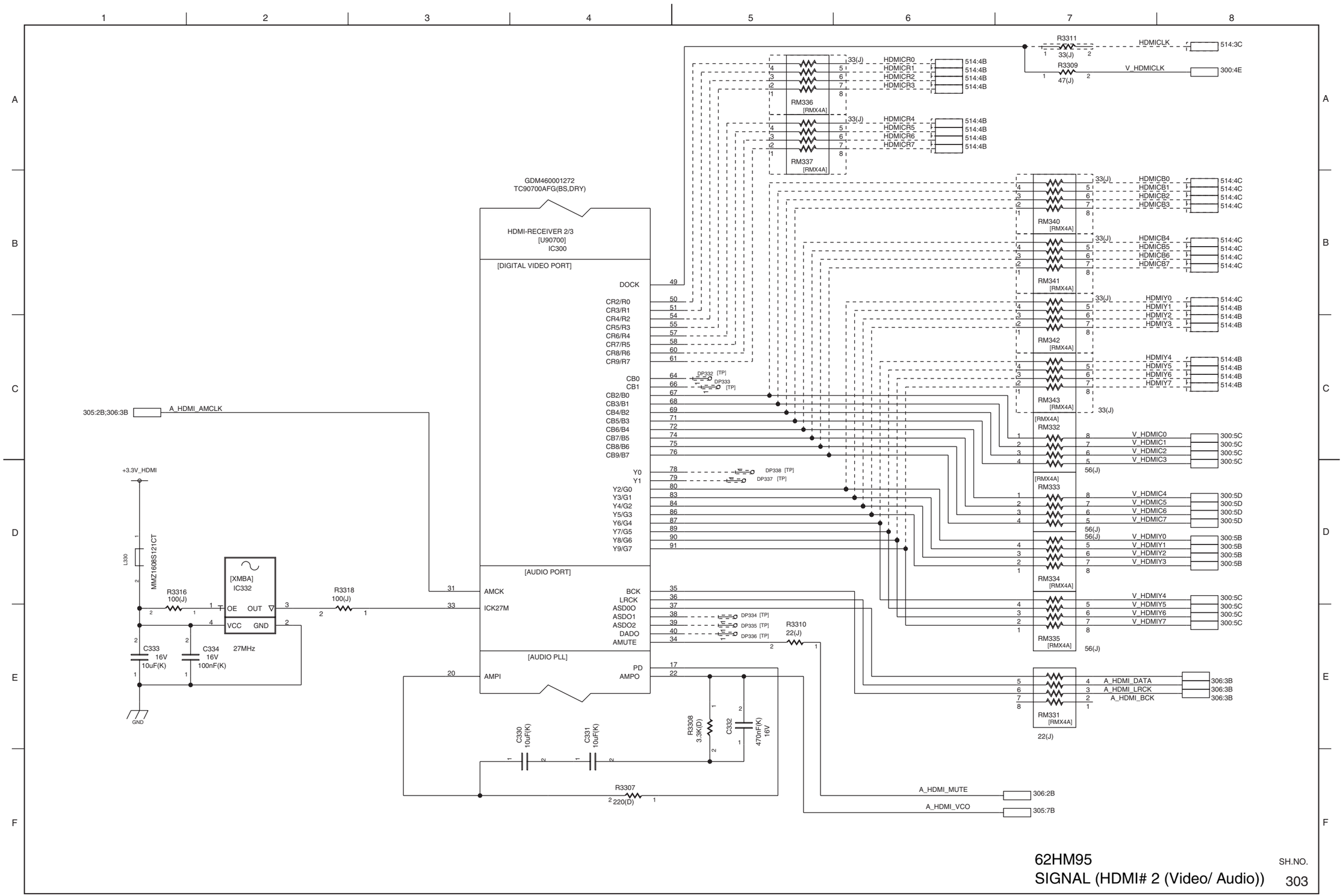
62HM95
SIGNAL (COLOR- DEC- REG)

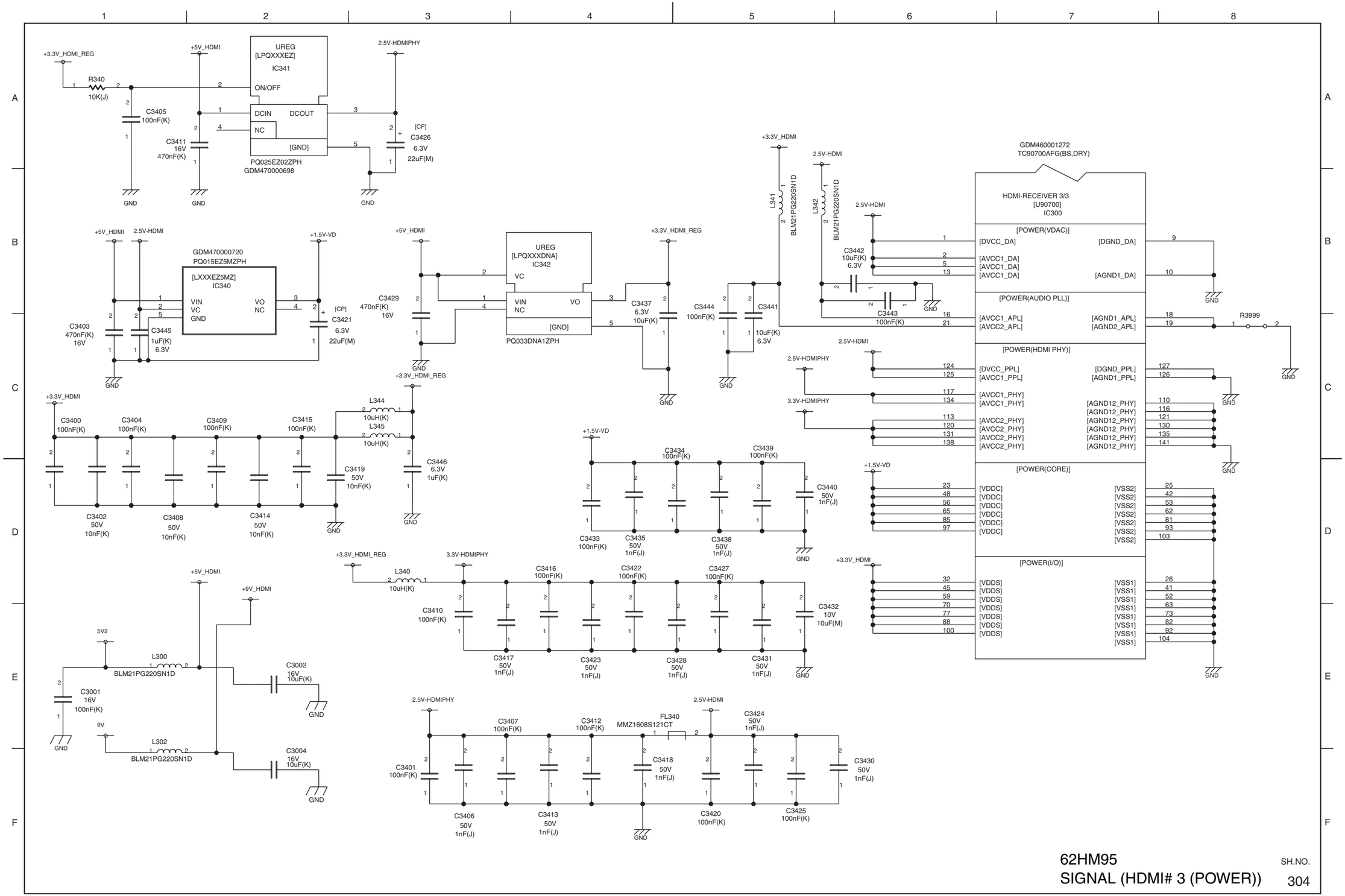
SH.NO.
206


[U8532]
2/9
IC700
ADATA0
ADATA1
ADATA2
ADATA3
ADATA4
ADATA5
ADATA6
ADATA7
ADATA8
ADATA9
ADATA10
ADATA11
ADATA12
ADATA13
ADATA14
ADATA15
ADATA16
ADATA17
ADATA18
ADATA19
ADATA20
ADATA21
ADATA22
ADATA23
DIP_AODD
AVS
AHS
AHREF_DE
IPCLK0
IPCLK1
IPCLK2
IPCLK3
DIP_RAW_HS_CS
DIP_EXT_CLAMP
DIP_EXT_COAST
DIP_CLEAN_HS_OUT
10K(J)
RM301
RM300
[RMX4A]
GND
RM302
33(J)
V_HDMIY0
V_HDMIY1
V_HDMIY2
V_HDMIY3
RM303
V_HDMIY4
V_HDMIY5
V_HDMIY6
V_HDMIY7
V_HDMIC0
V_HDMIC1
V_HDMIC2
V_HDMIC3
RM304
V_HDMIC4
V_HDMIC5
V_HDMIC6
V_HDMIC7
RM305
R3012
NOT MOUNT
CD_OE
R3008
33(J)
VSYNC
HSYNC
R3007
RM311
22K(J)
POWER_SIG_DET
R3000
V_HDMICLK
R3006
W3018
CD_CLK
W3017
RM313
TC7W66FU(TE12L,F)
GDM450000483
[CL2G066]
IC415
USB
SW1.8V
IN/OUT
OUT/IN
CONT
VCC
SEINE_USB
HEAD_DB
3.3V1
C407
100nF(K)
16V
R429
R430
4.7K(J)
+3.3V_I/O
R2009
R2036
C409
AV/S_DET1
UDZSTE-176.2B
D222
[ZD]
SCART_FB_1
62HM95
SIGNAL (FLI8532 DIGITAL_IN_A)
SH.NO.
300


NOT MOUNT
RM316 [RMX4A]
SEINEC0
SEINEC1
SEINEC2
SEINEC3
905:3E
905:3E
905:3E
905:3E
RM317 [RMX4A]
SEINEC4
SEINEC5
SEINEC6
SEINEC7
905:3E
905:3F
905:3F
905:3F
GND
RM347
RM344
RM345
RM346
801:4C D_SEINEC0
801:3C D_SEINEC1
801:4D D_SEINEC2
801:3D D_SEINEC3
801:4D D_SEINEC4
801:3D D_SEINEC5
801:4D D_SEINEC6
801:3D D_SEINEC7
801:4C D_SEINEY0
801:3C D_SEINEY1
801:4C D_SEINEY2
801:3C D_SEINEY3
801:4C D_SEINEY4
801:3C D_SEINEY5
801:4C D_SEINEY6
801:3C D_SEINEY7
RM320 [RMX4A]
RM321 [RMX4A]
RM322 [RMX4A]
RM323 [RMX4A]
56(J)
RM318 [RMX4A]
RM319 [RMX4A]
SEINEY0
SEINEY1
SEINEY2
SEINEY3
SEINEY4
SEINEY5
SEINEY6
SEINEY7
905:3C
905:3C
905:3D
905:3D
905:3D
905:3D
905:3D
905:3D
RM324 [RMX4A]
RM325 [RMX4A]
10K(J)
[U8532]
3/9
IC700
B1 BDATA0/DOBLU0
C3 BDATA1/DOBLU1
C2 BDATA2/DOBLU2
C1 BDATA3/DOBLU3
D3 BDATA4/DOBLU4
D2 BDATA5/DOBLU5
D1 BDATA6/DOBLU6
E3 BDATA7/DOBLU7
E2 BDATA8/DOGRN0
E1 BDATA9/DOGRN1
F3 BDATA10/DOGRN2
F2 BDATA11/DOGRN3
F1 BDATA12/DOGRN4
G3 BDATA13/DOGRN5
G2 BDATA14/DOGRN6
G1 BDATA15/DOGRN7
H3 BDATA16/DORED0
H2 BDATA17/DORED1
H1 BDATA18/DORED2
J3 BDATA19/DORED3
J2 BDATA20/DORED4
J1 BDATA21/DORED5
K3 BDATA22/DORED6
K2 BDATA23/DORED7
N4 DIP_BODD
L2 BVS
L3 BHS
K1 BHREF_DE
205:8C CD_DATAB0
205:8C CD_DATAB1
205:8C CD_DATAB2
205:8C CD_DATAB3
205:8C CD_DATAB4
205:8C CD_DATAB5
205:8D CD_DATAB6
205:8D CD_DATAB7
205:8D CD_HD
205:8E CD_VD
W234 NOT MOUNT
W233 NOT MOUNT
W232 0(X)
W231 0(X)
601:3B MSP_RESET
403:8B TV_SYNC_DET
33(J)
801:3C D_SEINEVS
801:4C D_SEINEHS
801:3C D_SEINECLK
RM327 [RMX4A]
SEINEVS
SEINEHS
SEINECLK
905:2B
905:2B
905:2B
801:4D D_BTXD
801:2D D_BRXD
801:4D D_HEAD_DB
RM315 [RMX4A]
33(J)
BTXD
BRXD
HEAD_DB
400:8A;600:2C
400:3D;600:2D
300:4C
R313 NOT MOUNT
R310
0(X)
IPCLK2
300:4E
62HM95
SIGNAL (FLI8532 DIGITAL_IN_B)
SH.NO.
301

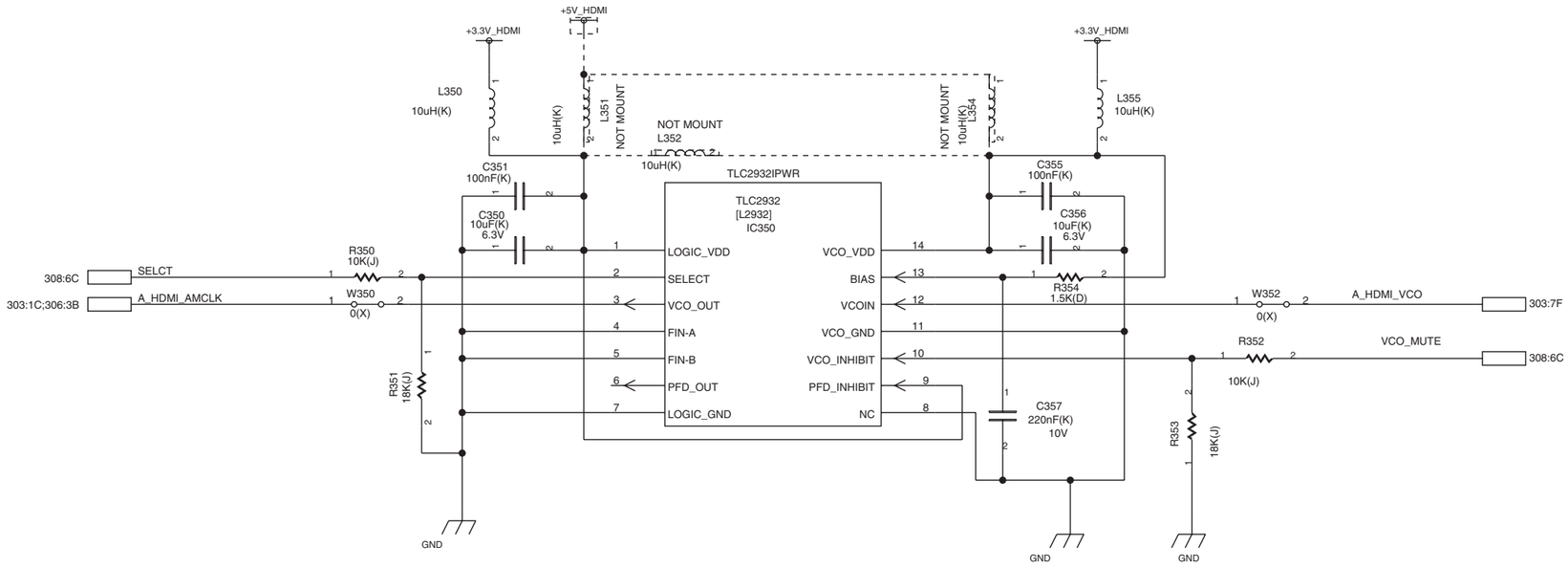

IC320
BD4740G-TR
[L47XX]
SUB
VOUT
[VCC]
[GND]
NC
L320
MMZ1608S121CT
C384
1uF(K)
C327
100nF(K)
+5V_HDMI
+3.3V_HDMI
R3222
1K(J)
R3223
100(J)
C328
180pF(J)
50V
C329
100nF(K)
HDMI_RST
401:5B
IC321
[7S08]
[Vcc]
[Vss]
TC7S08FU(TE85L,F)
R3224
100(J)
C3210
100nF(K)
GND
PORT#A
[C19A4]
CN320
D2+
D2S
D2-
D1+
D1S
D1-
D0+
D0S
D0-
CLK+
CLKS
CLK-
(CEC)
NC
SCL
SDA
GND
PWR
DET
DC1R019JD1E400
200:4D;205:2A;308:3A;400:3E;404:2D;601:3A
[FL09B]
FL323
FL324
FL329
FL330
V_RXA2N
V_RXA2P
V_RXA1P
V_RXA1N
V_RXA0N
V_RXA0P
V_RXACP
V_RXACN
HDMI_PWRA
HDMI_HPDA
308:1B
308:1D
FL322
[FL08B]
MZA3216R121AT
R3216
1K(J)
R3200
NOT MOUNT
R3201
47K(J)
W320
0(X)
PORT#B
[C19A4]
CN321
FL325
FL326
FL331
FL332
V_RXB2P
V_RXB2N
V_RXB1N
V_RXB1P
V_RXB0P
V_RXB0N
V_RXBCN
V_RXBCP
HDMI_PWRB
HDMI_HPDB
308:1B
308:1C
FL327
[FL08B]
MZA3216R121AT
R3202
47K(J)
R3203
NOT MOUNT
R3217
1K(J)
FL320
GND
+3.3V_HDMI
NOT MOUNT
RM328
[RMX4A]
W323
100(J)
W324
100(J)
SCL1
SDA1
R3204
47K(J)
R3205
47K(J)
GDM460001272
TC90700AFG(BS,DRY)
HDMI-RECEIVER 1/3
[U90700]
IC300
SCL_H
SDA_H
SMODE
TEST3
TEST2
TEST1
RESET
HINT
R3215
47(J)
308:2E
[EDID IF/Kdvs IF]
SCL_E
SDA_E
SCL_K
SDA_K
309:2C
[DDC A/B]
SCL_DDCA
SDA_DDCA
SCL_DDCB
SDA_DDCB
[Link Port A/B]
3.3V-HDMIPHY
R3208
1K(J)
R3210
1K(J)
R3209
1K(J)
R3211
1K(J)
RXACN
RXACP
RXA0N
RXA0P
RXA1N
RXA1P
RXA2N
RXA2P
RXBCN
RXBCP
RXB0N
RXB0P
RXB1N
RXB1P
RXB2N
RXB2P
RRES_PA
RRES_PB
VREF_PA
VREF_PB
2.5V-HDMI
C320
100nF(K)
C321
100nF(K)
C322
100nF(K)
R3214
300(F)
[ANALOGUE VIDEO PORT]
VBS
VREF
IREF
YP
YN
PBP
PBN
PRP
PRN
HBLANK
VBLANK
HSYNC
VSYNC
W325
0(X)
W326
0(X)
C323
100nF(K)
C325
50V
10nF(K)
C324
100nF(K)
C326
50V
10nF(K)
R3218
33(J)
R3219
NOT MOUNT
R3220
NOT MOUNT
R3221
33(J)
R3227
NOT MOUNT
R3228
NOT MOUNT
R3225
33(J)
R3226
33(J)
R3230
47(J)
R3231
NOT MOUNT
R3232
47(J)
R3233
NOT MOUNT
300:4D
514:3C
514:3D
62HM95
SIGNAL (HDMI# 1 (Link, I2C))
SH.NO.
302


GDM460001272
TC90700AFG(BS,DRY)
HDMI-RECEIVER 2/3
[U90700]
IC300
[DIGITAL VIDEO PORT]
DOCK
CR2/R0
CR3/R1
CR4/R2
CR5/R3
CR6/R4
CR7/R5
CR8/R6
CR9/R7
CB0
CB1
CB2/B0
CB3/B1
CB4/B2
CB5/B3
CB6/B4
CB7/B5
CB8/B6
CB9/B7
Y0
Y1
Y2/G0
Y3/G1
Y4/G2
Y5/G3
Y6/G4
Y7/G5
Y8/G6
Y9/G7
[AUDIO PORT]
AMCK
ICK27M
BCK
LRCK
ASD0O
ASD1O
ASD2O
DADO
AMUTE
[AUDIO PLL]
AMPI
PD
AMPO
DP332 [TP]
DP333 [TP]
DP338 [TP]
DP337 [TP]
DP334 [TP]
DP335 [TP]
DP336 [TP]
R3311
33(J)
HDMICLK
514:3C
R3309
47(J)
V_HDMICLK
300:4E
RM336
[RMX4A]
HDMICR0
HDMICR1
HDMICR2
HDMICR3
RM337
HDMICR4
HDMICR5
HDMICR6
HDMICR7
514:4B
RM340
HDMICB0
HDMICB1
HDMICB2
HDMICB3
514:4C
RM341
HDMICB4
HDMICB5
HDMICB6
HDMICB7
RM342
HDMIY0
HDMIY1
HDMIY2
HDMIY3
RM343
HDMIY4
HDMIY5
HDMIY6
HDMIY7
RM332
V_HDMIC0
V_HDMIC1
V_HDMIC2
V_HDMIC3
300:5C
56(J)
RM333
V_HDMIC4
V_HDMIC5
V_HDMIC6
V_HDMIC7
300:5D
RM334
V_HDMIY0
V_HDMIY1
V_HDMIY2
V_HDMIY3
300:5B
RM335
V_HDMIY4
V_HDMIY5
V_HDMIY6
V_HDMIY7
RM331
A_HDMI_DATA
A_HDMI_LRCK
A_HDMI_BCK
306:3B
22(J)
305:2B;306:3B
A_HDMI_AMCLK
+3.3V_HDMI
L330
MMZ1608S121CT
[XMBA]
IC332
OE
OUT
VCC
GND
27MHz
R3316
100(J)
R3318
100(J)
C333
16V
10uF(K)
C334
16V
100nF(K)
R3310
22(J)
C330
10uF(K)
C331
10uF(K)
R3308
3.3K(D)
C332
470nF(K)
16V
R3307
220(D)
A_HDMI_MUTE
306:2B
A_HDMI_VCO
305:7B
62HM95
SIGNAL (HDMI# 2 (Video/ Audio))
SH.NO.
303



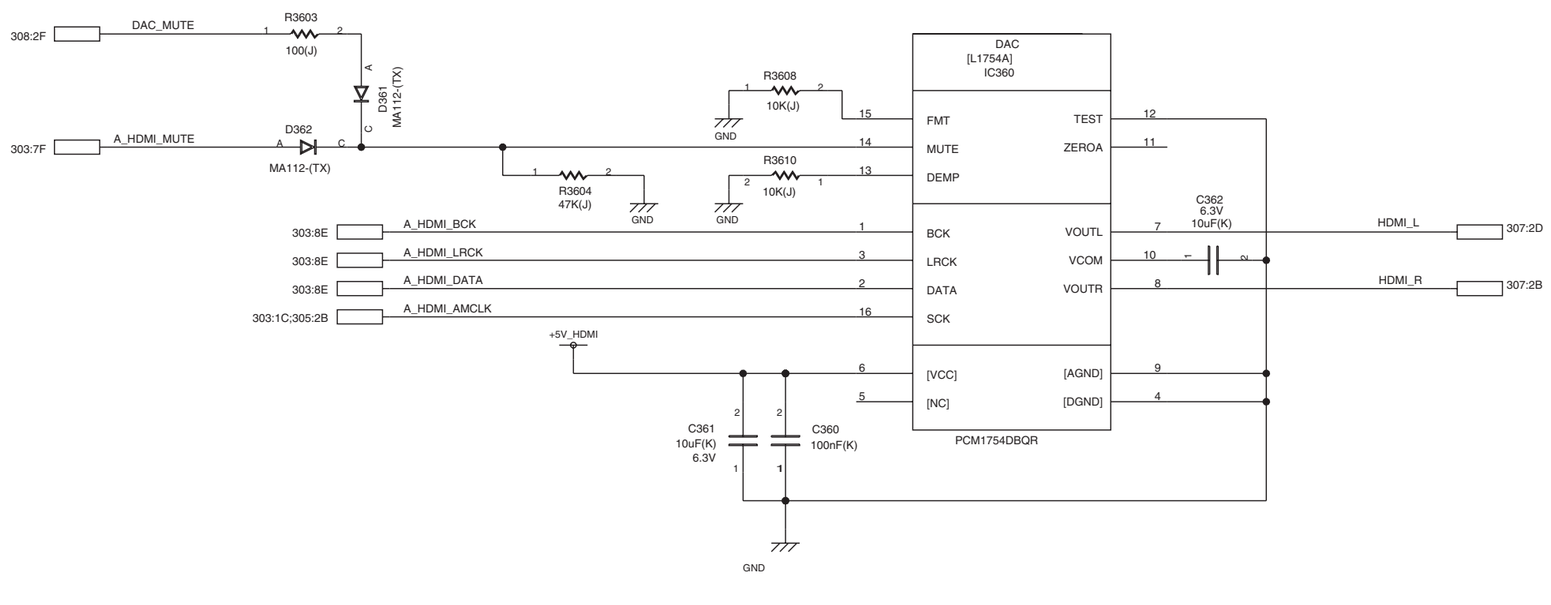
62HM95
SIGNAL (HDMI# 3 (POWER))

SH.NO.
304



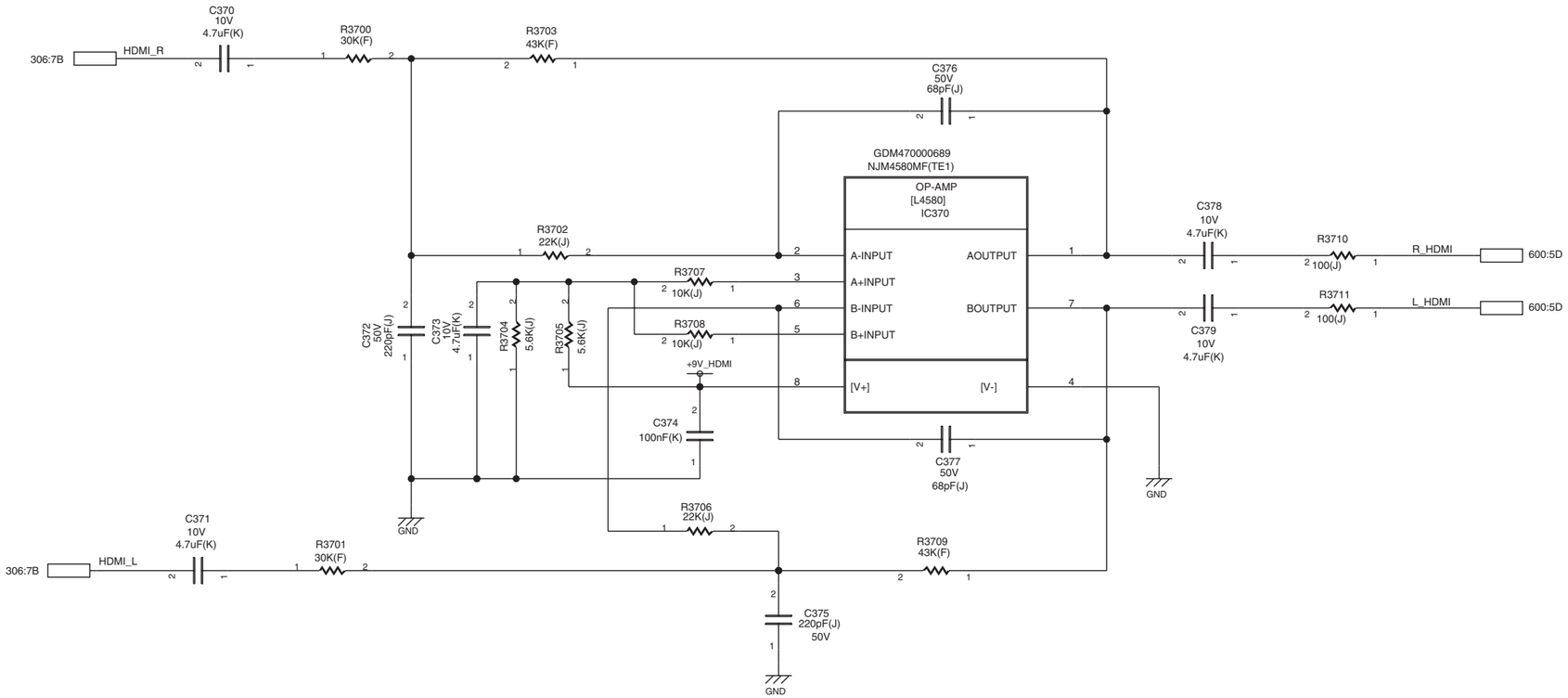
62HM95
SIGNAL (HDMI AUDIO_ PLL)

SH.NO.
305



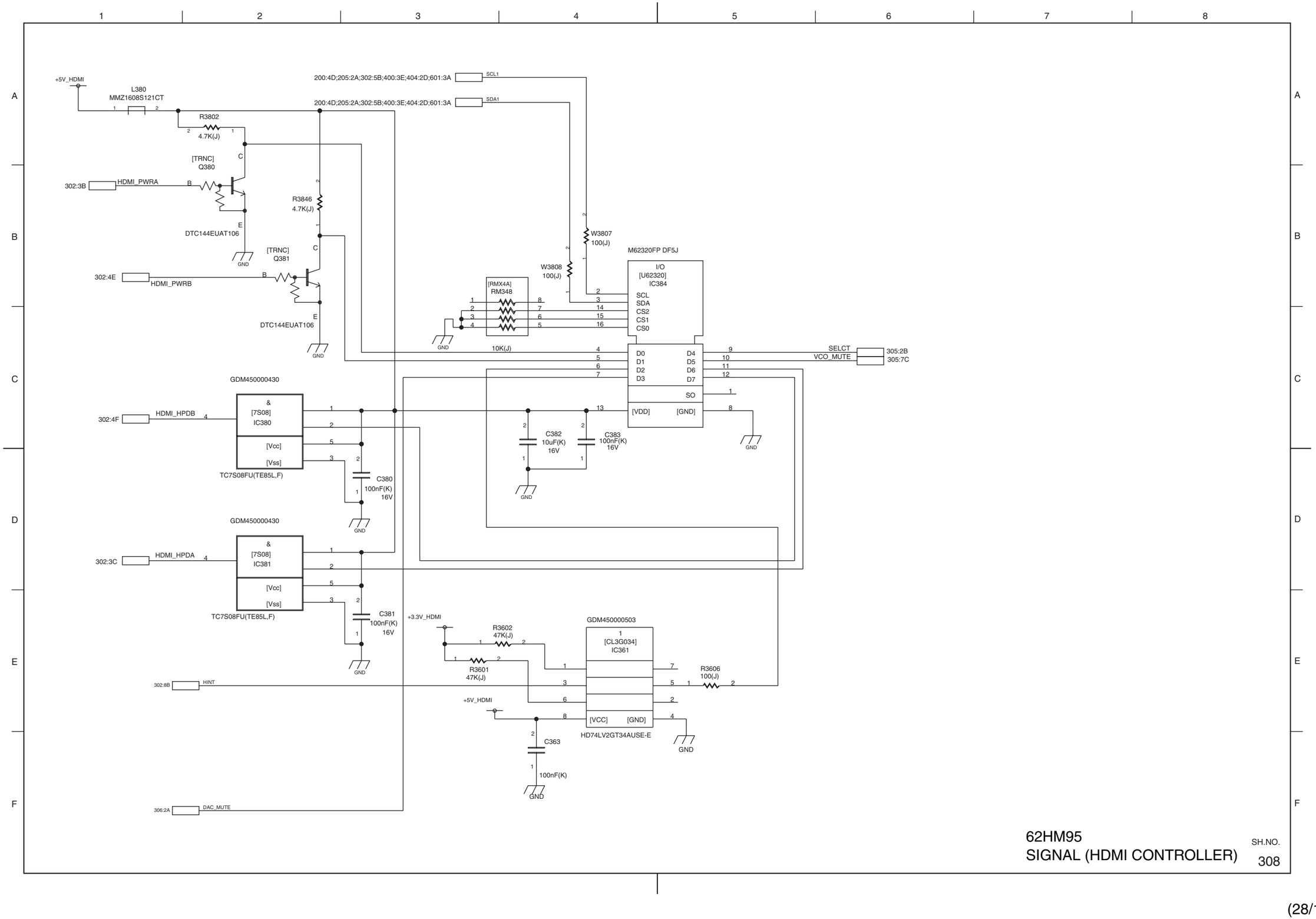
62HM95
SIGNAL (HDMI AUDIO_ DAC)

SH.NO.
306



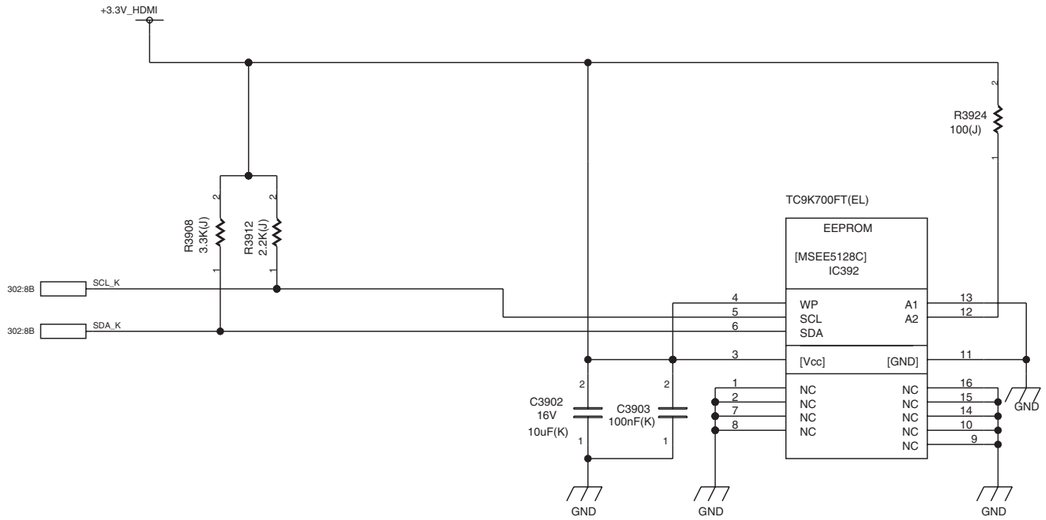
62HM95
SIGNAL (HDMI AUDIO_ OUT)

SH.NO.
307



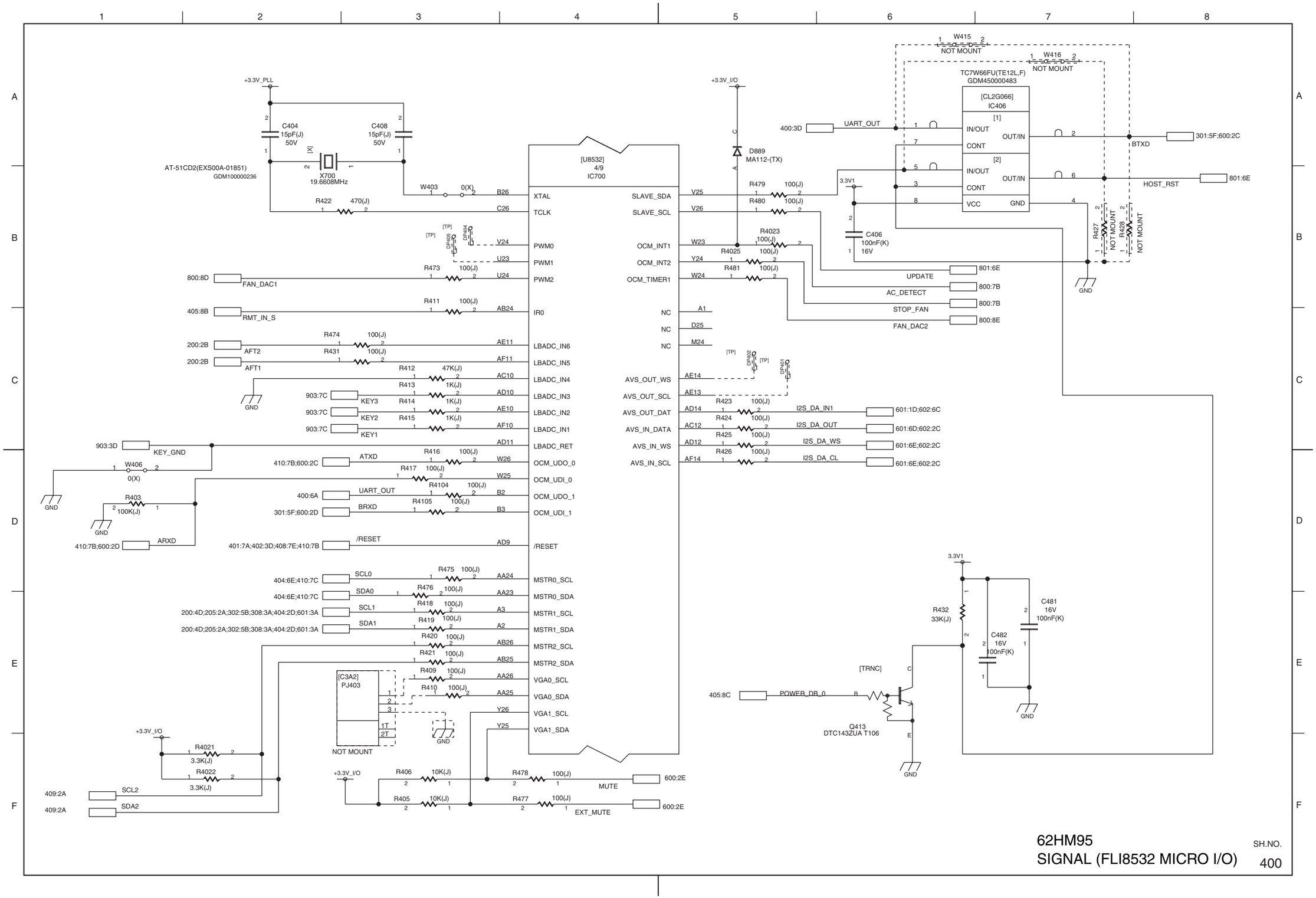
62HM95
SIGNAL (HDMI CONTROLLER)

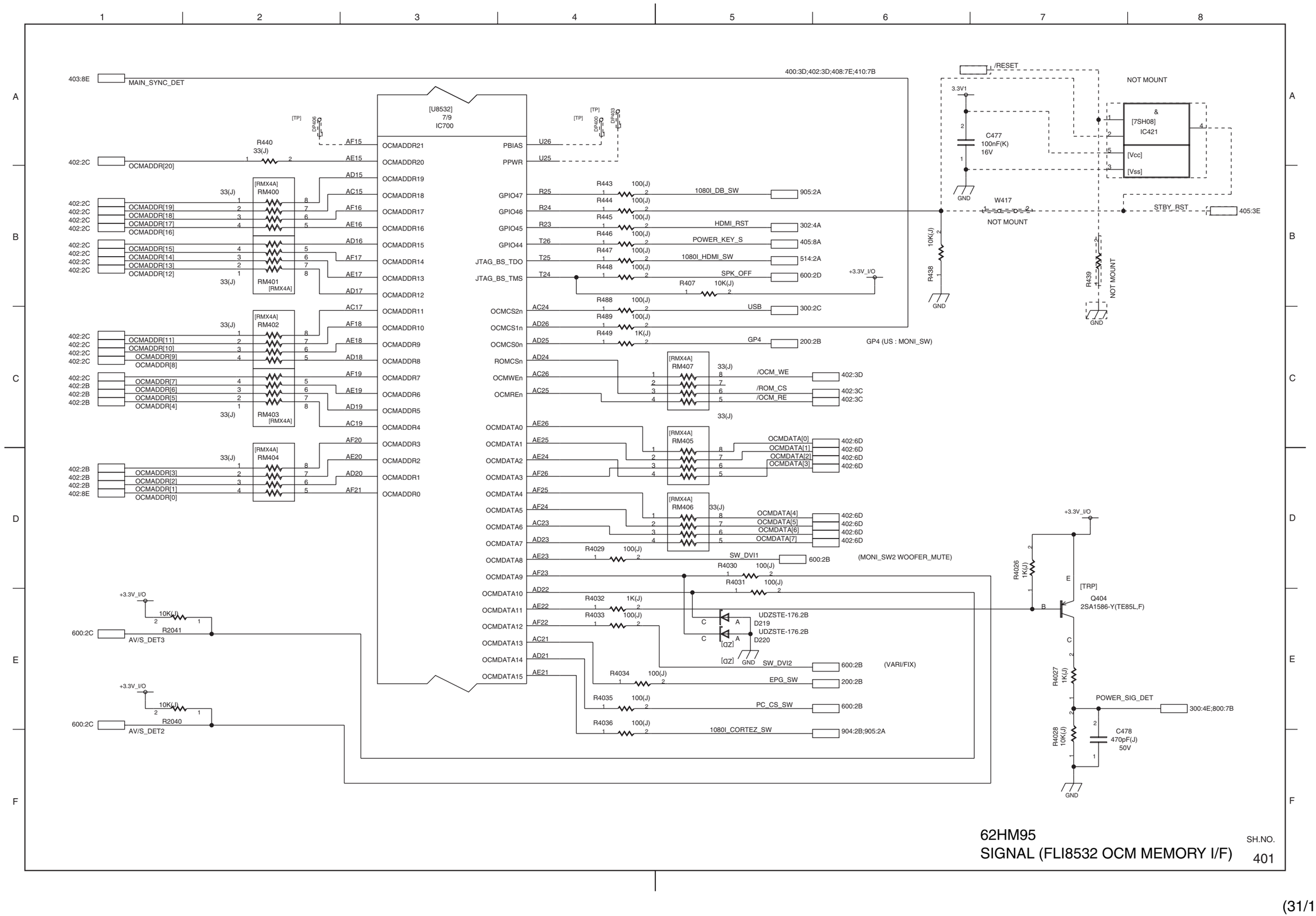
SH.NO.
308



62HM95
SIGNAL (HDMI EEPROM2)

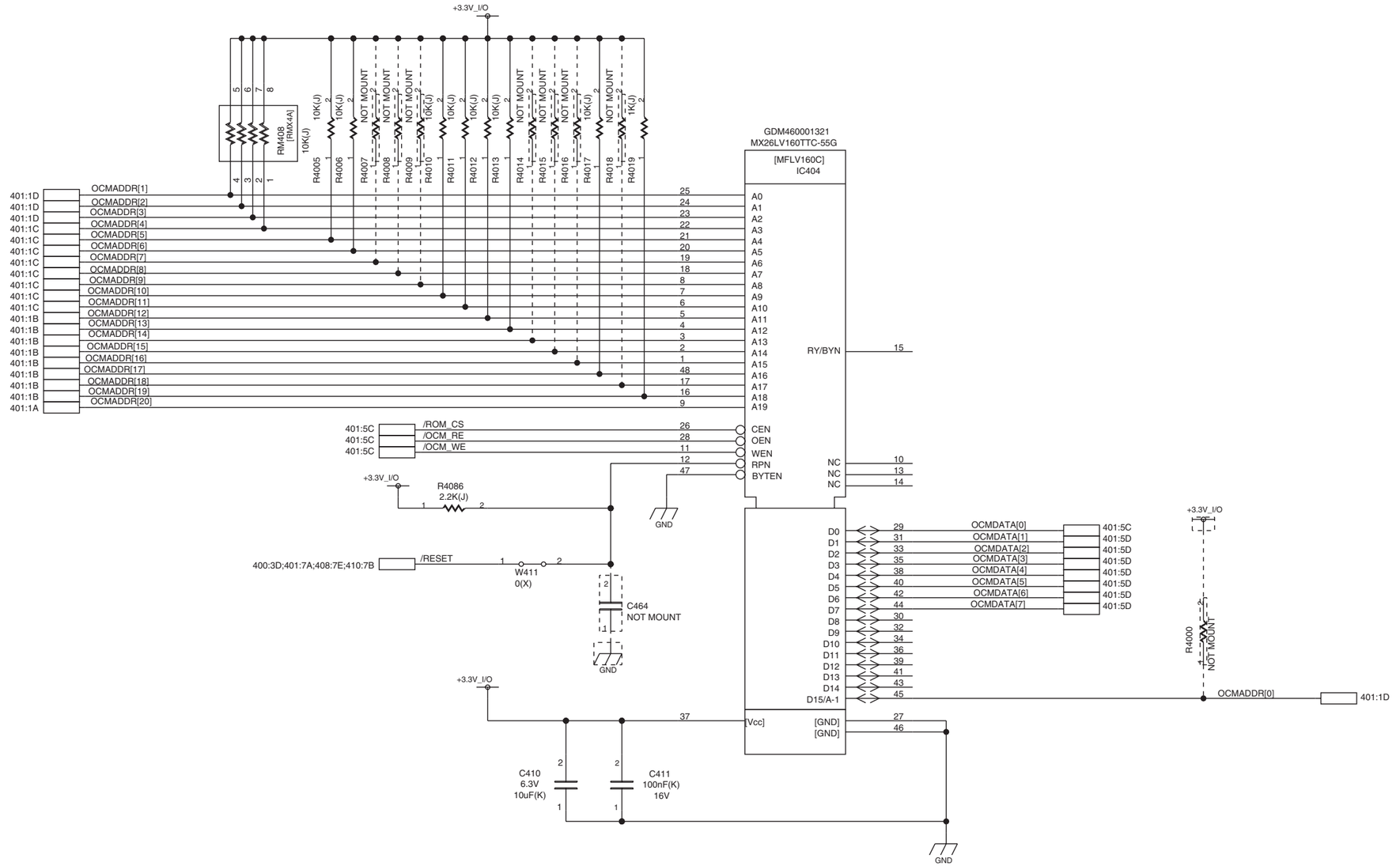
SH.NO.
309


AT-51CD2(EXS00A-01851)
GDM100000236
+3.3V_PLL
C404 15pF(J) 50V
C408 15pF(J) 50V
X700 19.6608MHz
W403 0(X)
R422 470(J)
[U8532] 4/9 IC700
XTAL
TCLK
PWM0
PWM1
PWM2
IR0
LBADC_IN6
LBADC_IN5
LBADC_IN4
LBADC_IN3
LBADC_IN2
LBADC_IN1
LBADC_RET
OCM_UDO_0
OCM_UDI_0
OCM_UDO_1
OCM_UDI_1
/RESET
MSTR0_SCL
MSTR0_SDA
MSTR1_SCL
MSTR1_SDA
MSTR2_SCL
MSTR2_SDA
VGA0_SCL
VGA0_SDA
VGA1_SCL
VGA1_SDA
SLAVE_SDA
SLAVE_SCL
OCM_INT1
OCM_INT2
OCM_TIMER1
NC
AVS_OUT_WS
AVS_OUT_SCL
AVS_OUT_DAT
AVS_IN_DATA
AVS_IN_WS
AVS_IN_SCL
+3.3V_I/O
D889 MA112-(TX)
R479 100(J)
R480 100(J)
R4023 100(J)
R4025 100(J)
R481 100(J)
R423 100(J)
R424 100(J)
R425 100(J)
R426 100(J)
I2S_DA_IN1
I2S_DA_OUT
I2S_DA_WS
I2S_DA_CL
601:1D;602:6C
601:6D;602:2C
601:6E;602:2C
601:6E;602:2C
TC7W66FU(TE12L,F)
GDM450000483
[CL2G066] IC406
W415 NOT MOUNT
W416 NOT MOUNT
UART_OUT
BTXD
HOST_RST
3.3V1
C406 100nF(K) 16V
R427 NOT MOUNT
R428 NOT MOUNT
UPDATE
AC_DETECT
STOP_FAN
FAN_DAC2
FAN_DAC1
RMT_IN_S
AFT2
AFT1
KEY3
KEY2
KEY1
KEY_GND
ATXD
BRXD
ARXD
/RESET
SCL0
SDA0
SCL1
SDA1
R473 100(J)
R411 100(J)
R474 100(J)
R431 100(J)
R412 47K(J)
R413 1K(J)
R414 1K(J)
R415 1K(J)
R416 100(J)
R417 100(J)
R4104 100(J)
R4105 100(J)
R475 100(J)
R476 100(J)
R418 100(J)
R419 100(J)
R420 100(J)
R421 100(J)
R409 100(J)
R410 100(J)
[C3A2] PJ403
NOT MOUNT
R4021 3.3K(J)
R4022 3.3K(J)
SCL2
SDA2
R406 10K(J)
R405 10K(J)
R478 100(J)
R477 100(J)
MUTE
EXT_MUTE
R403 100K(J)
W406 0(X)
GND
[TP]
DP405
DP404
DP402
DP401
R432 33K(J)
C481 16V 100nF(K)
C482 16V 100nF(K)
[TRNC]
Q413 DTC143ZUA T106
POWER_DB_0
62HM95
SIGNAL (FLI8532 MICRO I/O)
SH.NO.
400



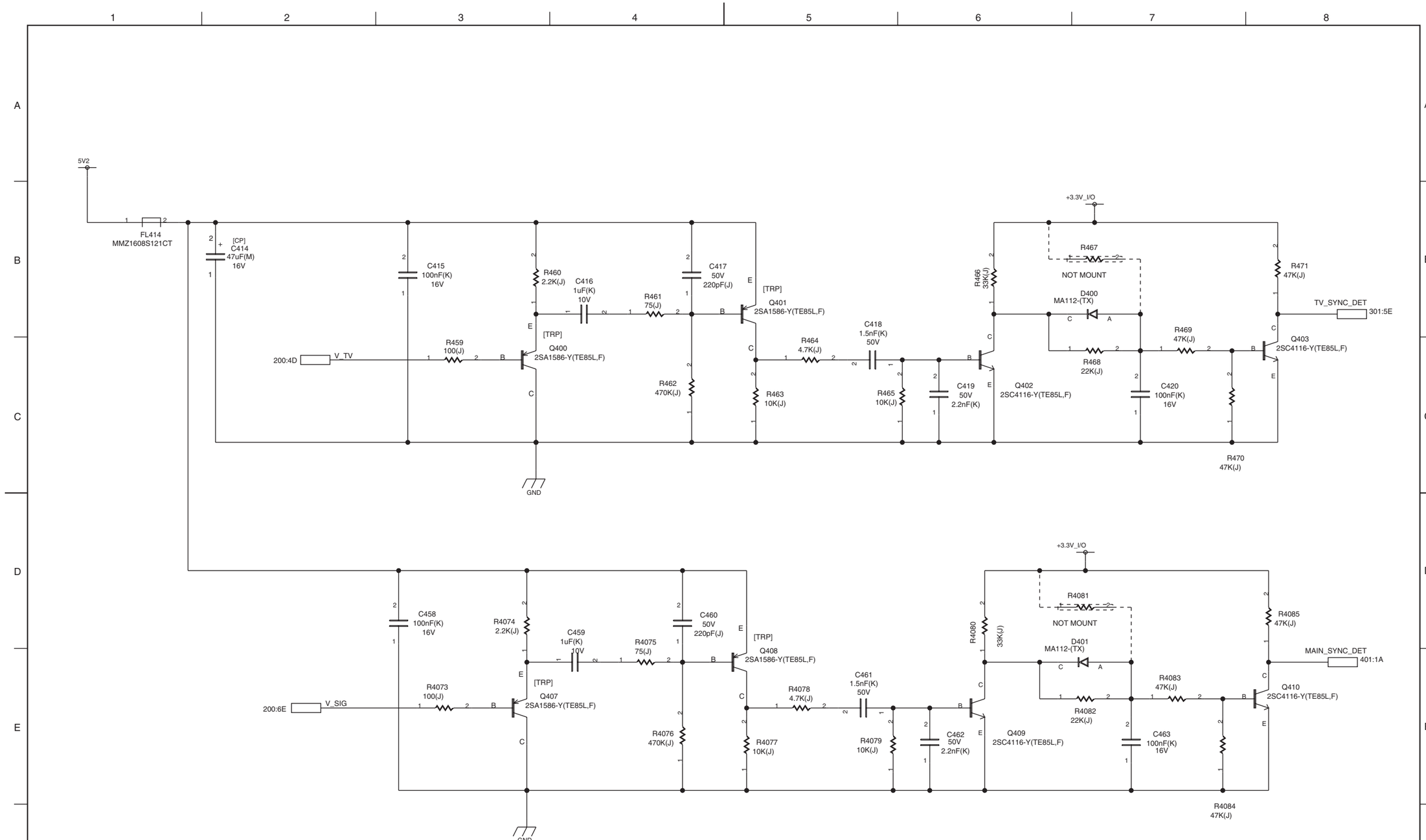
62HM95
SIGNAL (FLI8532 OCM MEMORY I/F)

SH.NO.
401



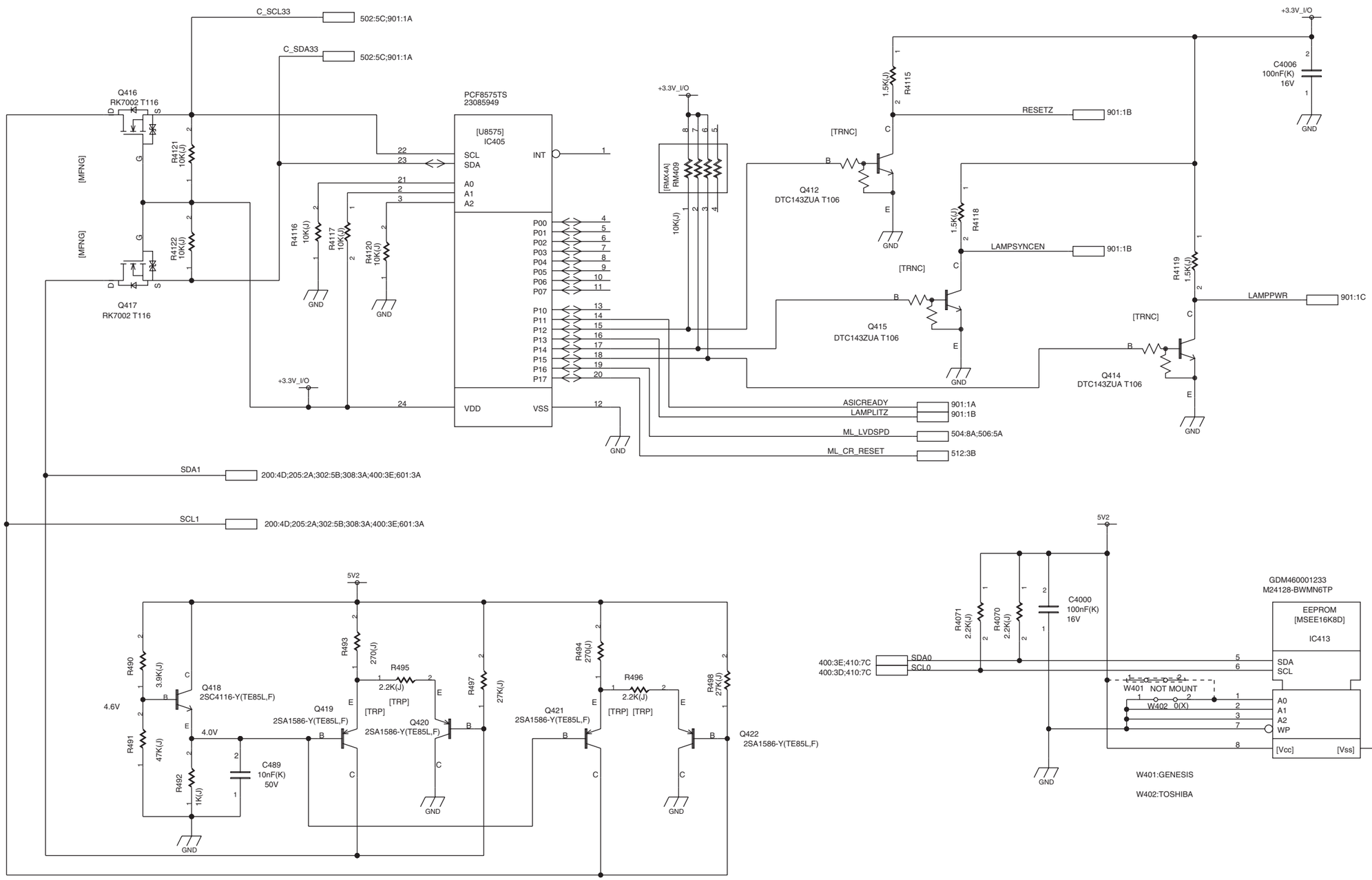
62HM95
SIGNAL (FLASH MEMORY)

SH.NO.
402



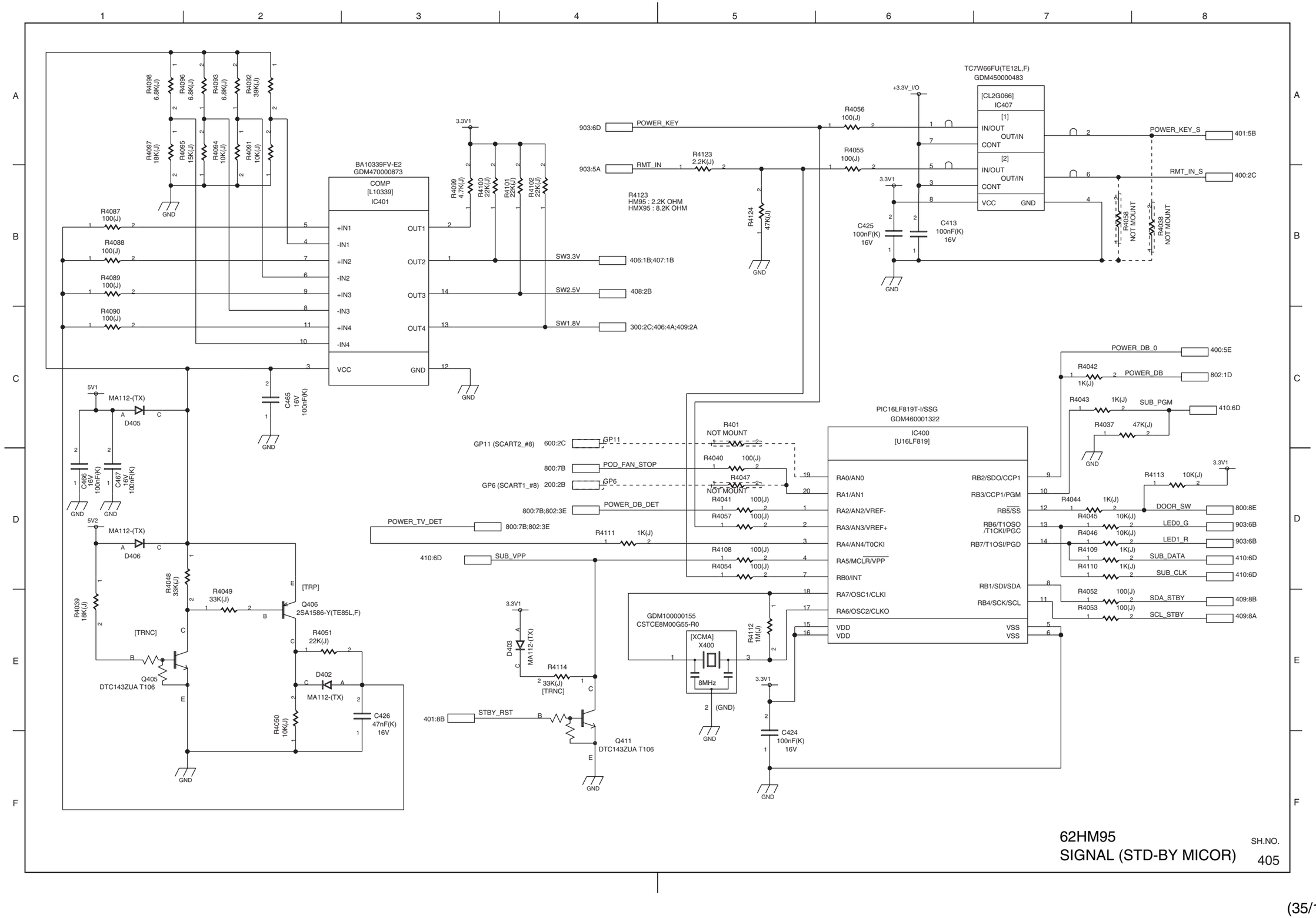
62HM95
SIGNAL (SYNC SEPA)

SH.NO.
403



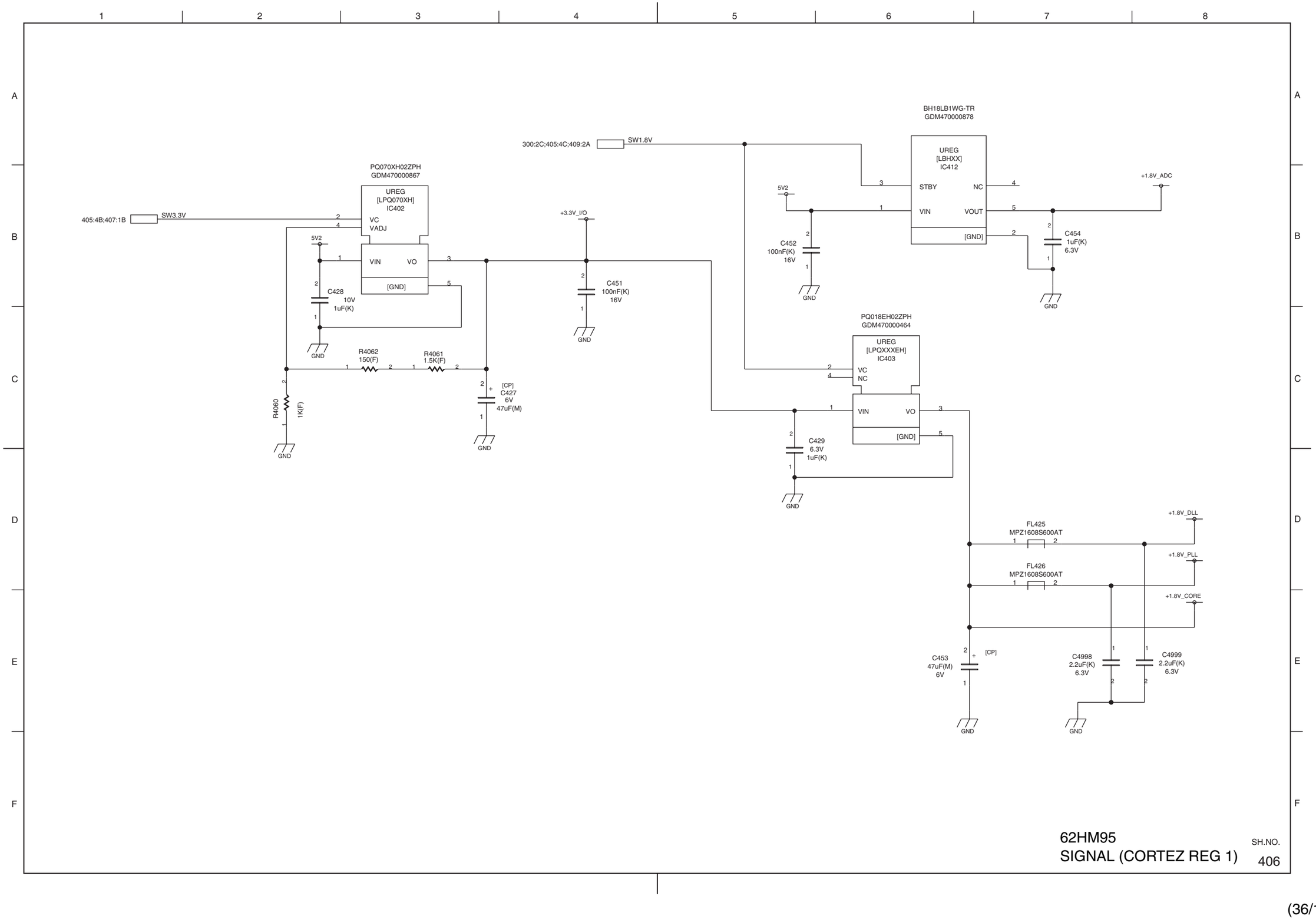
62HM95
SIGNAL (I/O_ EXPANDER/E2P ROM)

SH.NO.
404



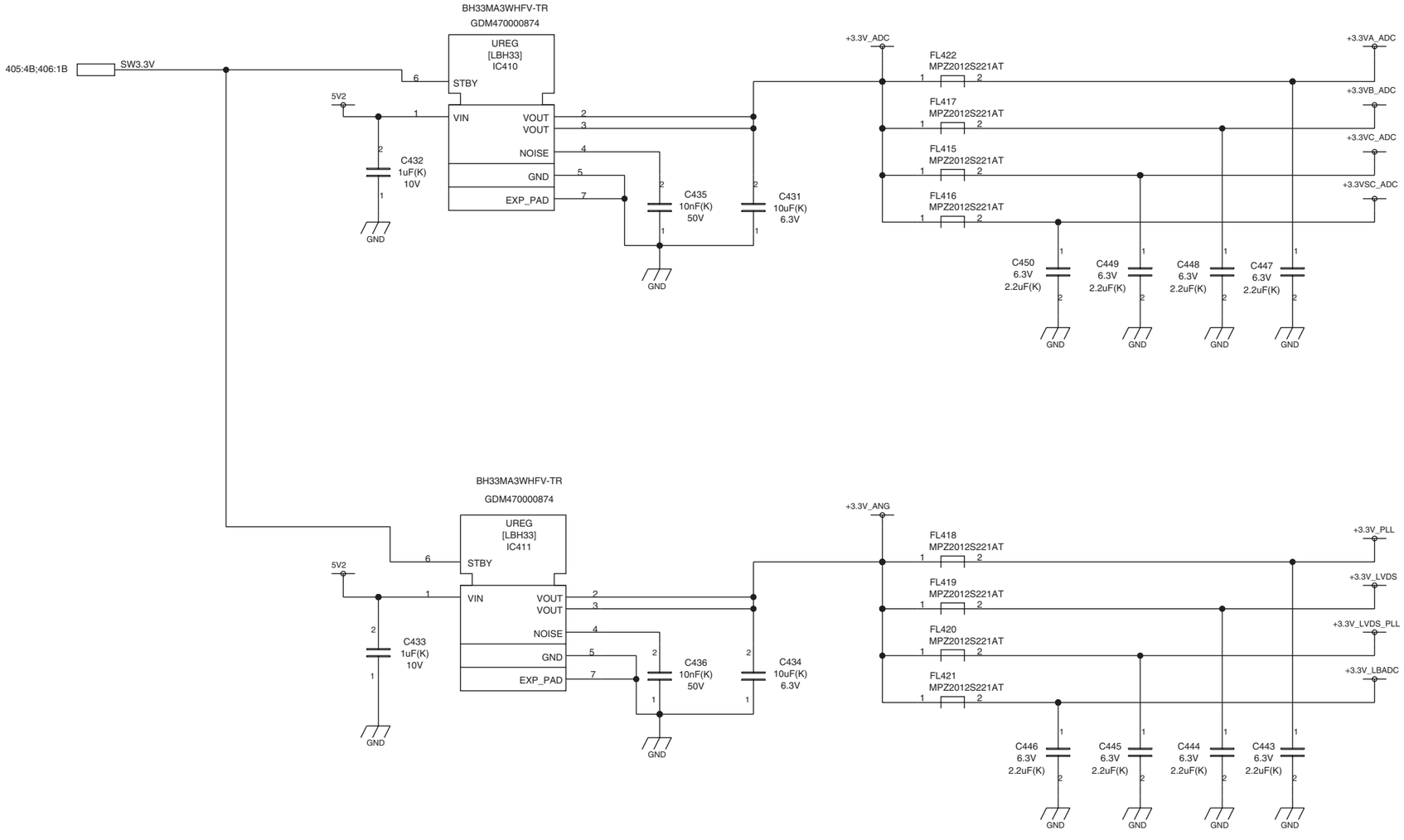
62HM95
SIGNAL (STD-BY MICOR)

SH.NO.
405



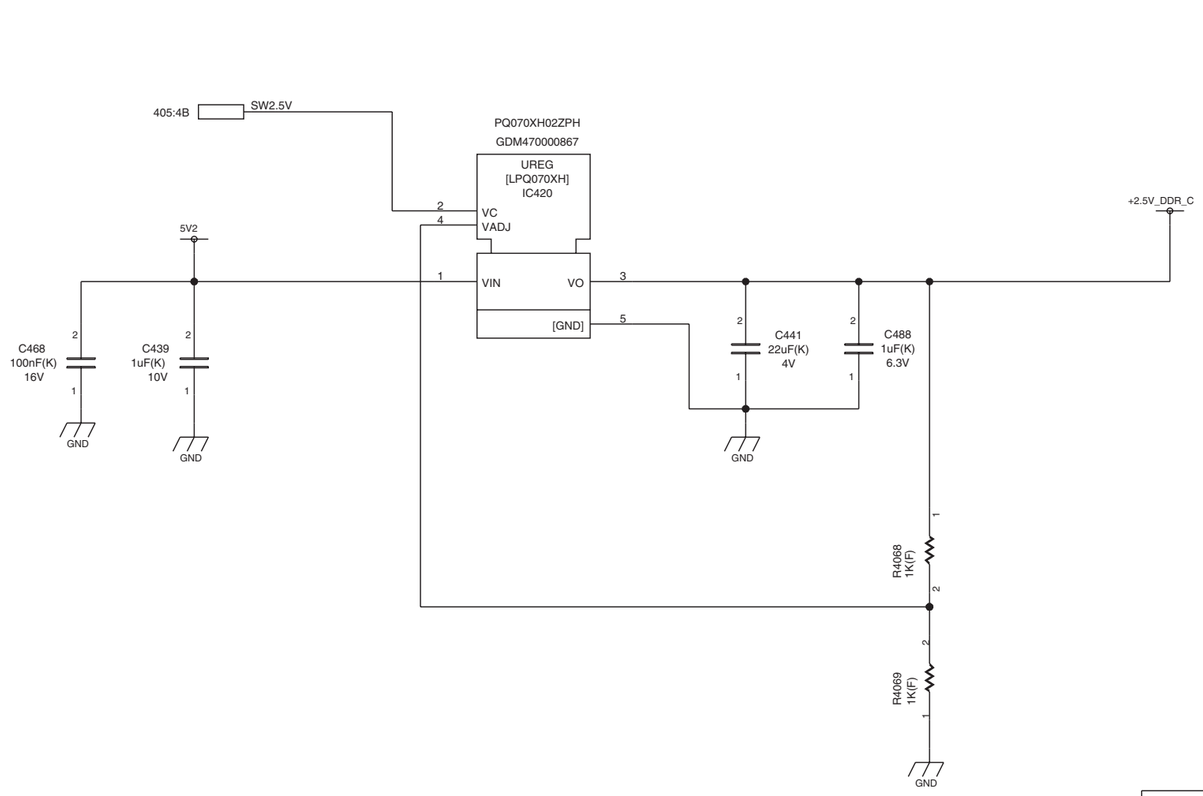
62HM95
SIGNAL (CORTEZ REG 1)

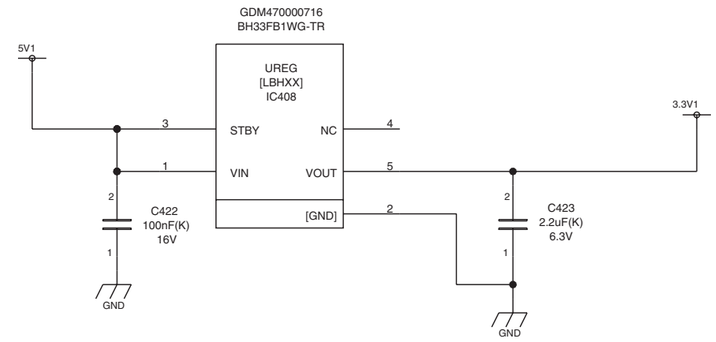
SH.NO.
406

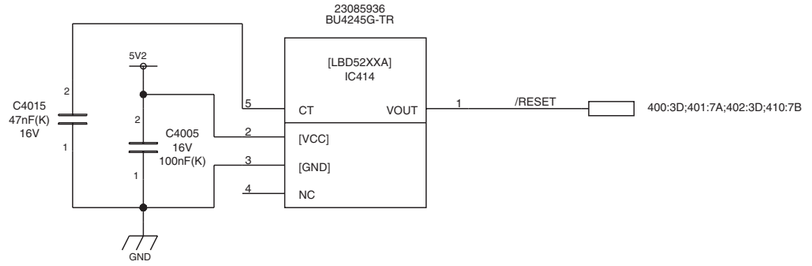


62HM95
SIGNAL (CORTEZ REG 2)

SH.NO.
407

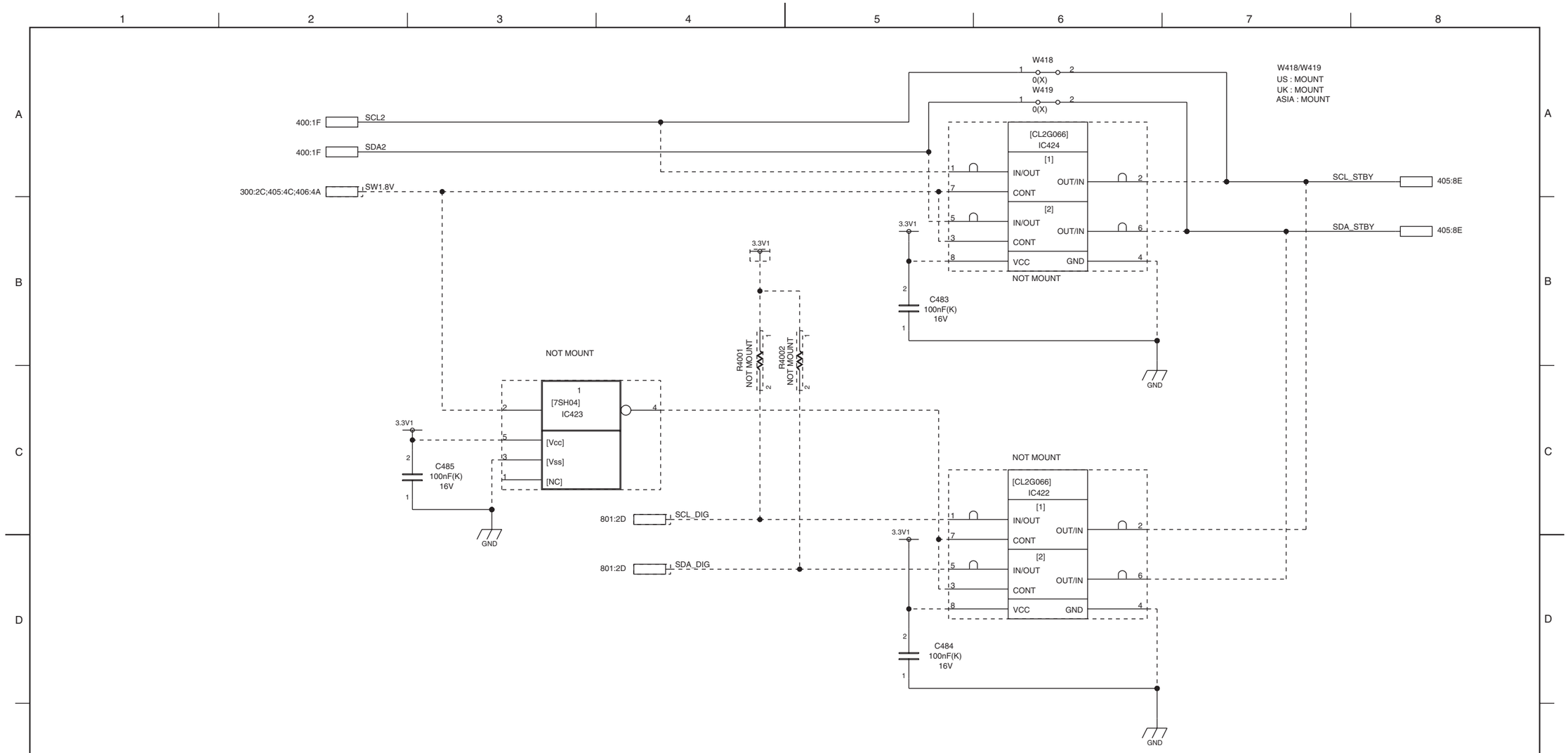






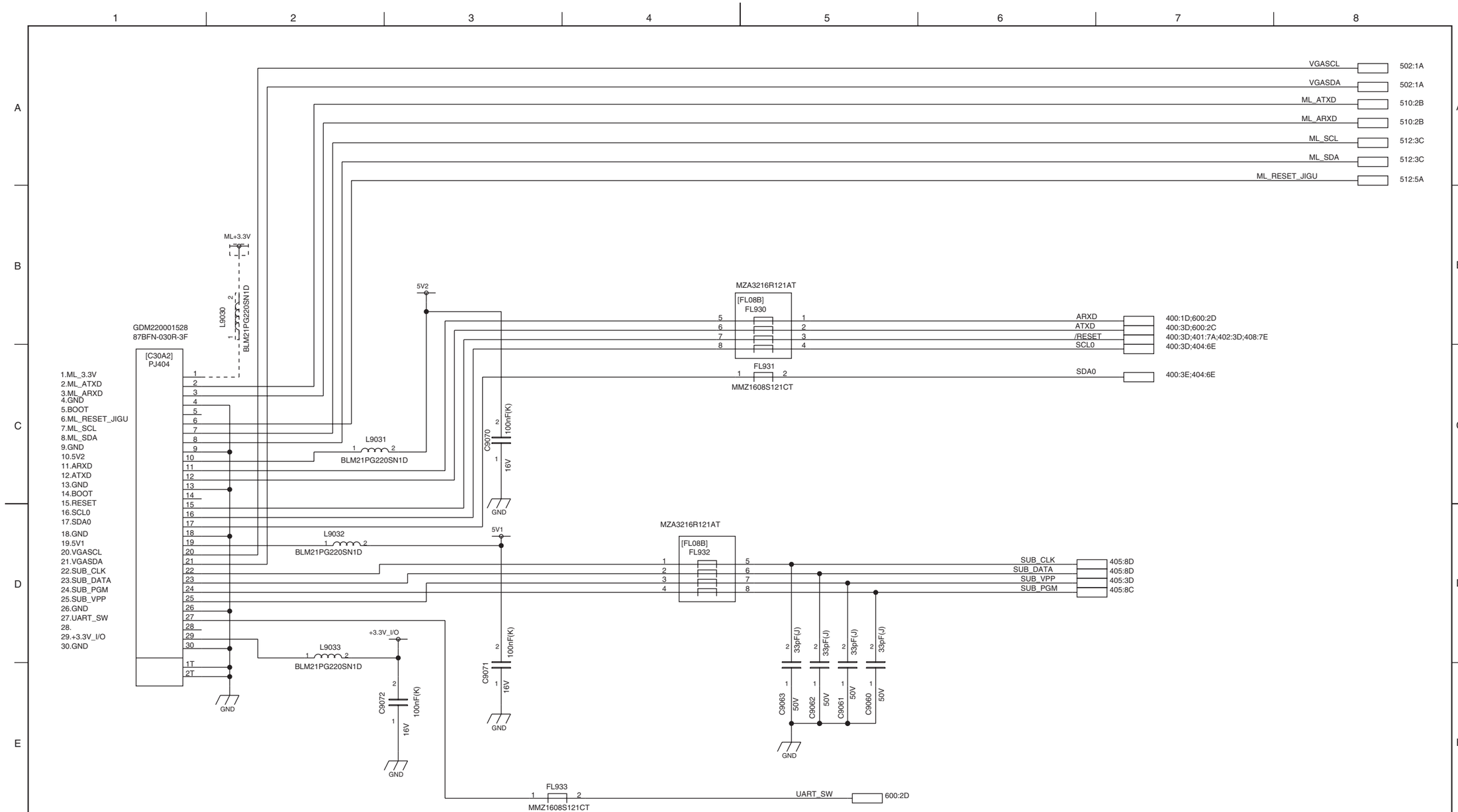
62HM95
SIGNAL (CORTEZ REG 3)

SH.NO.
408



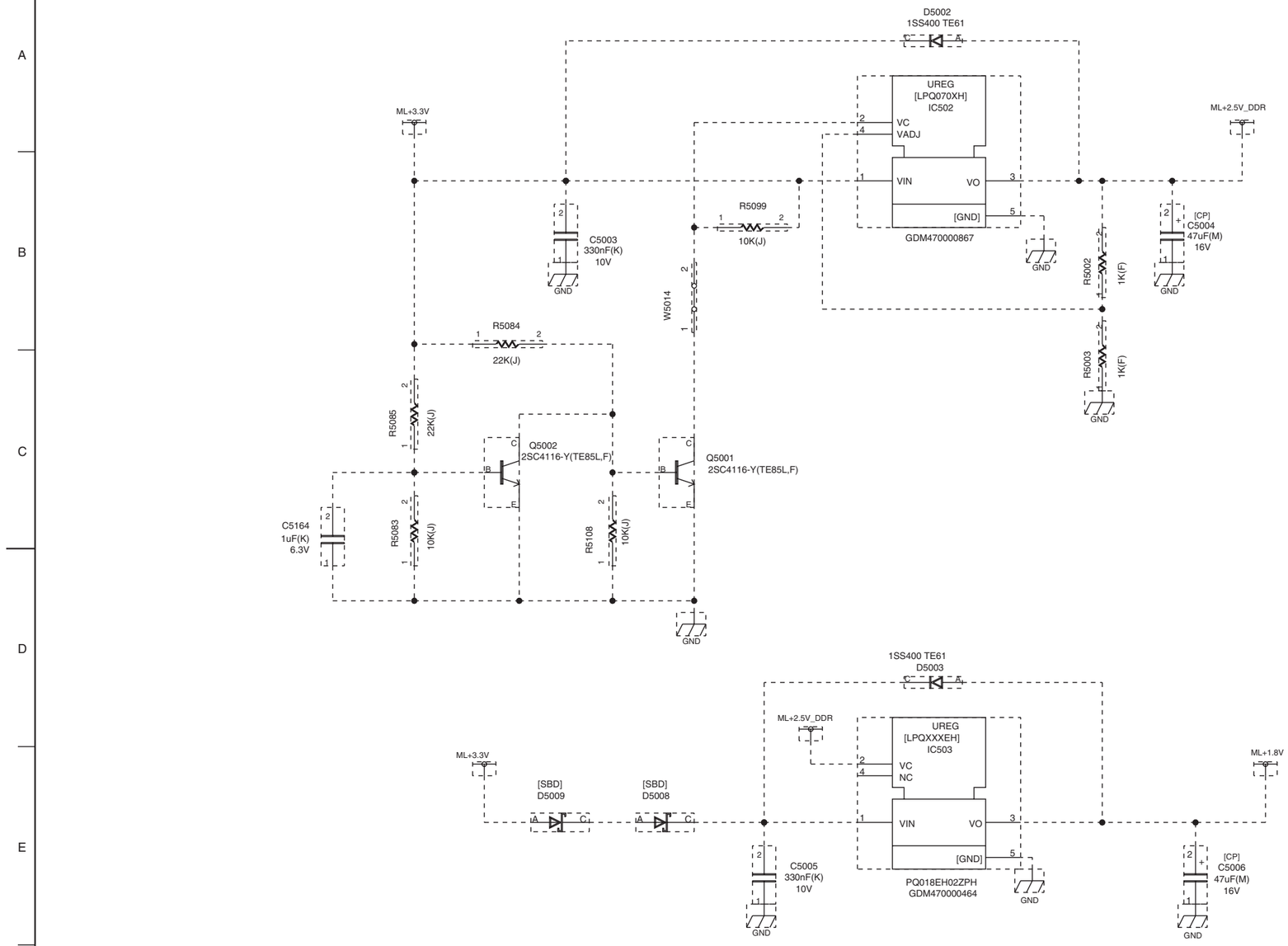
62HM95
SIGNAL (I2C Switch)

SH.NO.
409



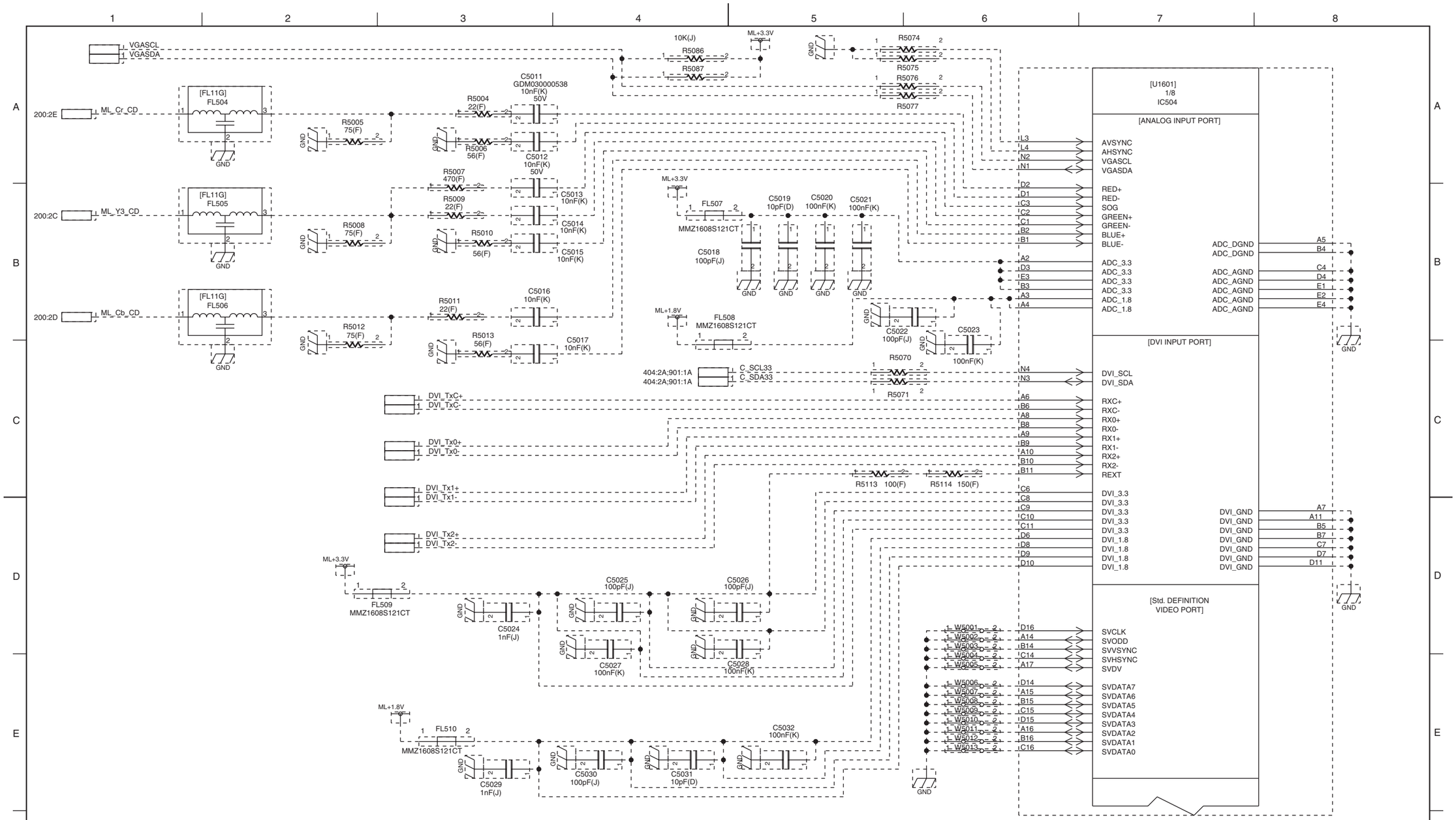
62HM95
SIGNAL (SERVICE CONNECTOR)

SH.NO.
410



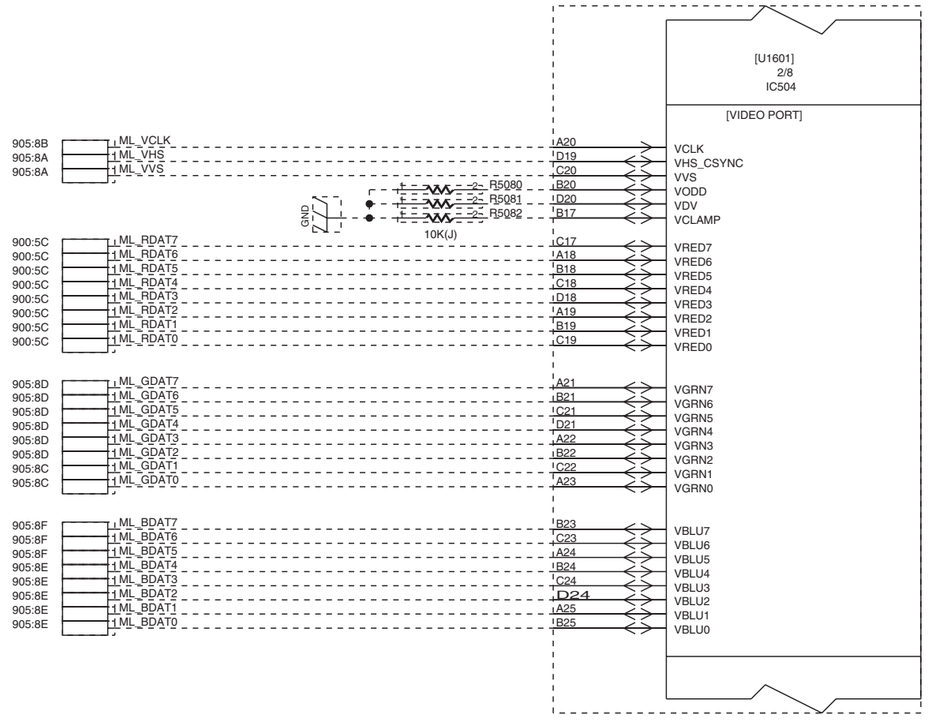
62HM95
SIGNAL (ML POWER)

SH.NO.
501



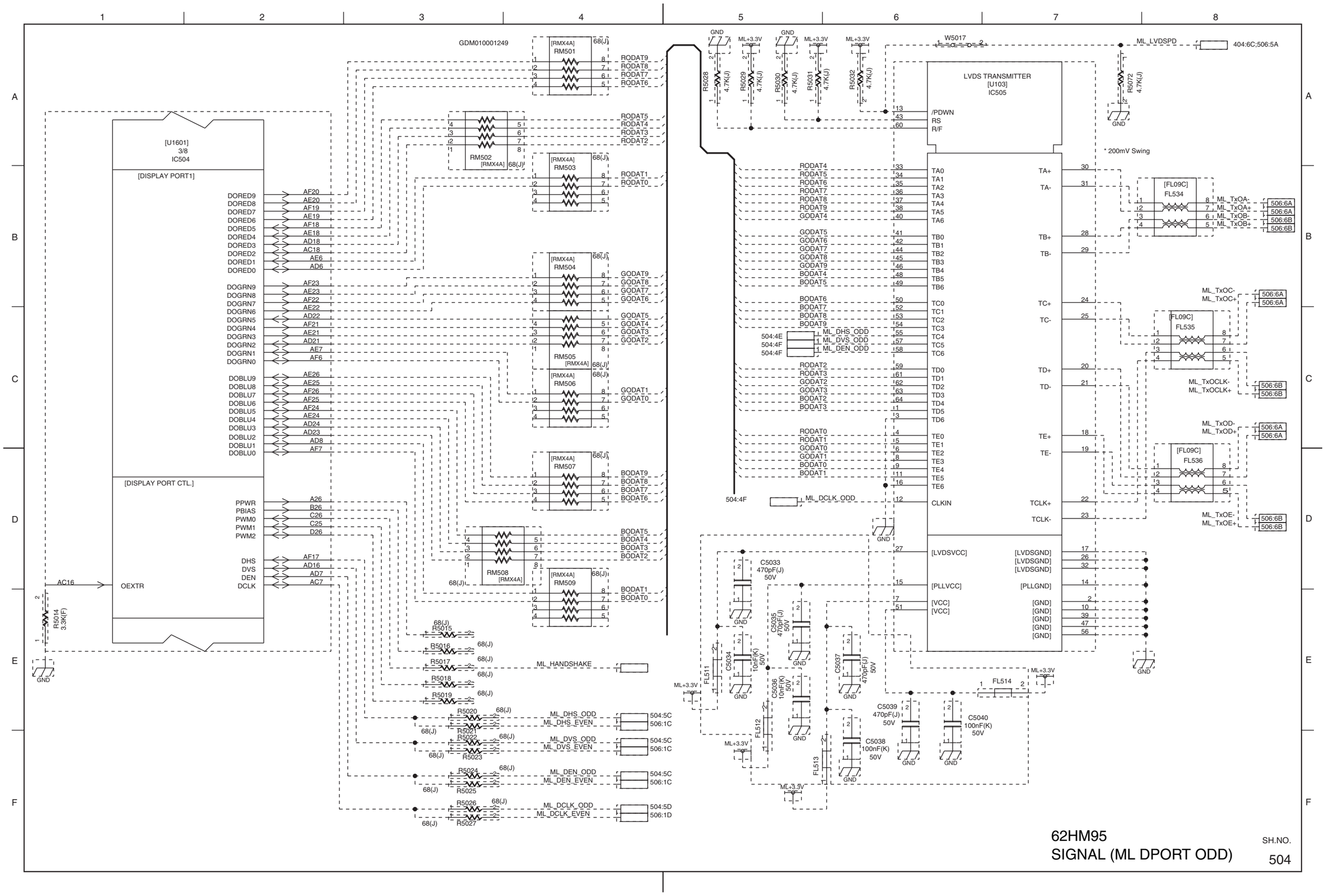
62HM95
SIGNAL (ML ANALOG INPUT)

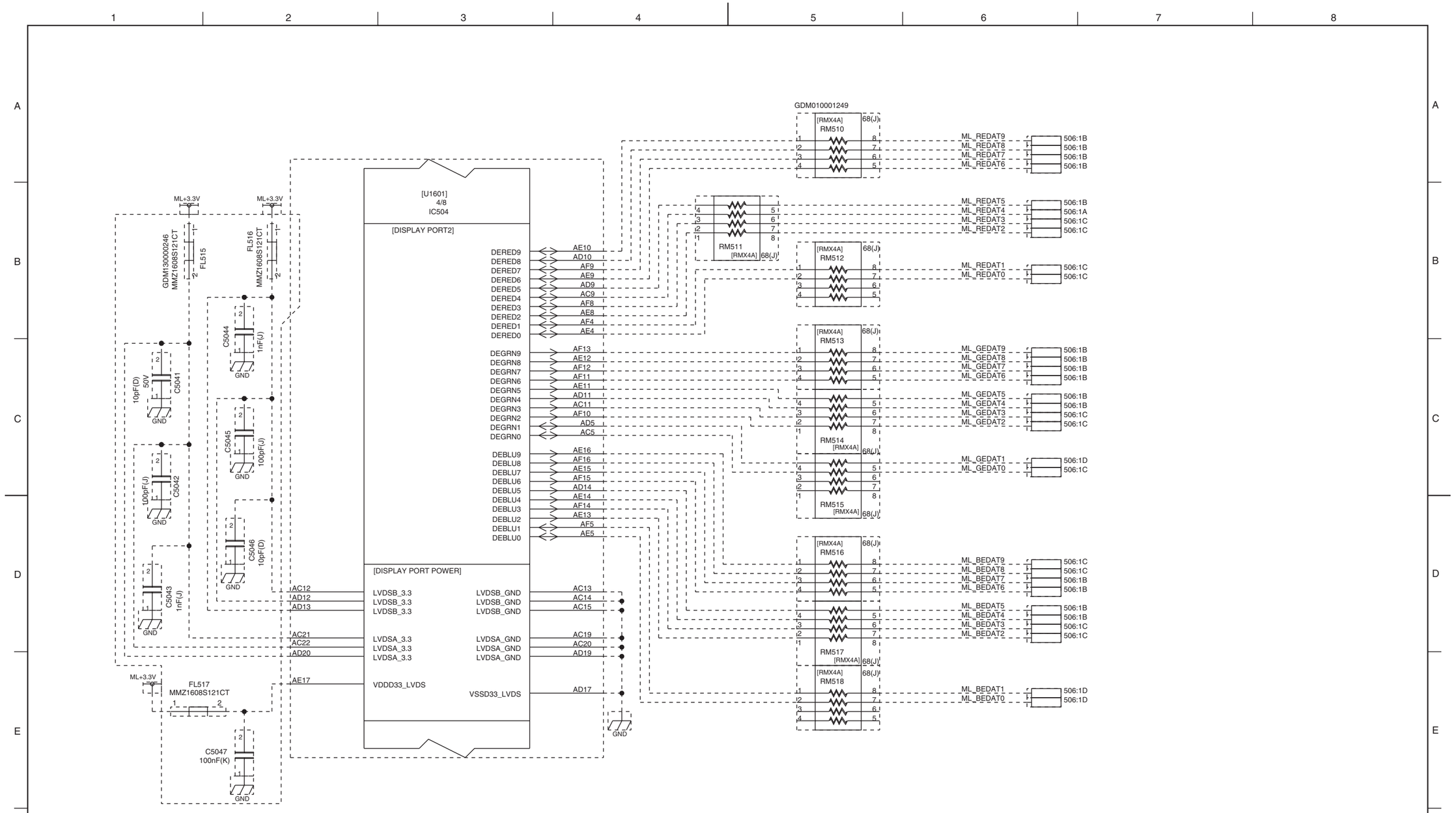
SH.NO.
502



62HM95
SIGNAL (ML DIGITAL INPUT)

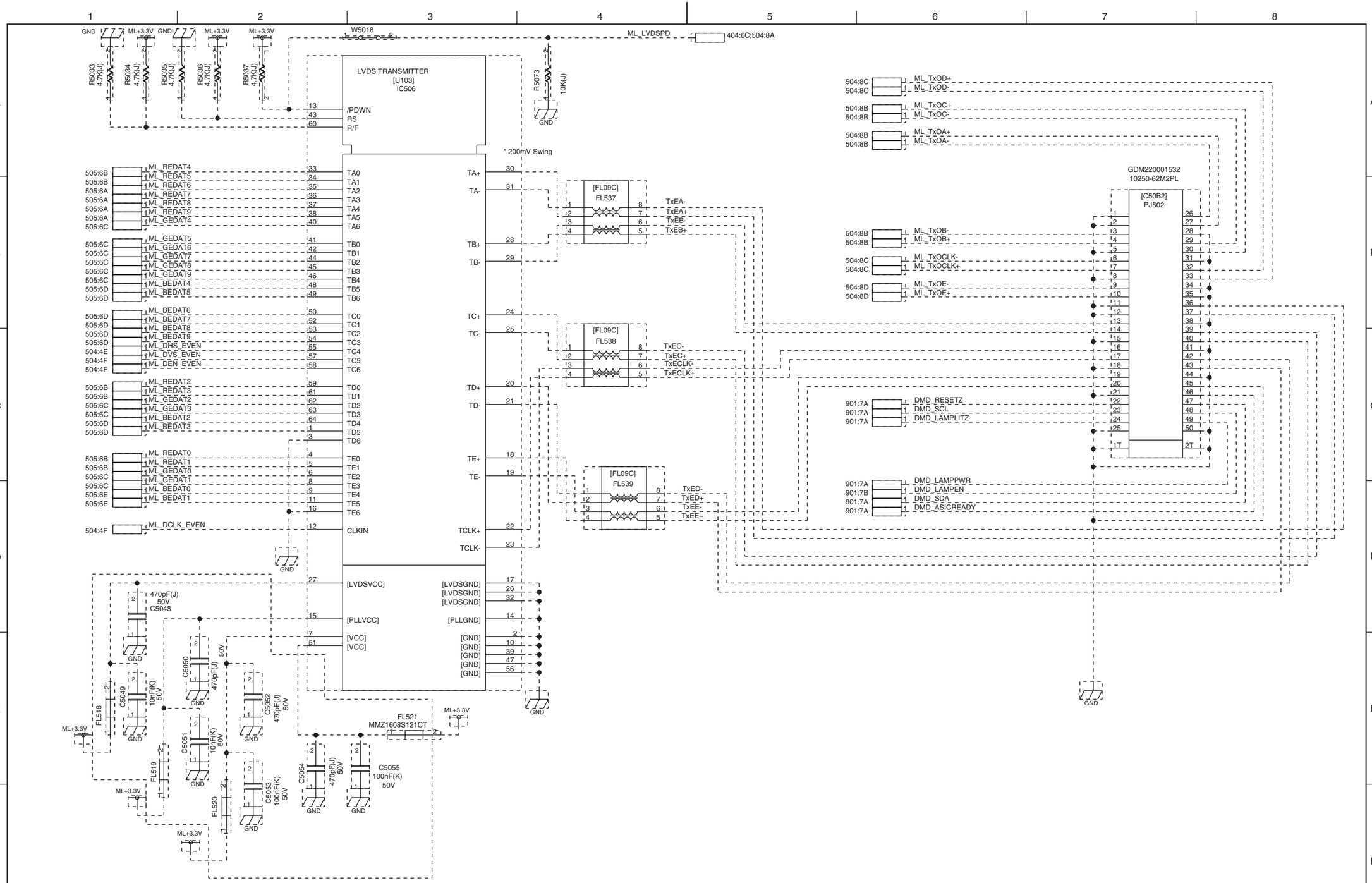
SH.NO.
503


GDM010001249
[U1601]
3/8
IC504
[DISPLAY PORT1]
[DISPLAY PORT CTL.]
DORED9
DORED8
DORED7
DORED6
DORED5
DORED4
DORED3
DORED2
DORED1
DORED0
DOGRN9
DOGRN8
DOGRN7
DOGRN6
DOGRN5
DOGRN4
DOGRN3
DOGRN2
DOGRN1
DOGRN0
DOBLU9
DOBLU8
DOBLU7
DOBLU6
DOBLU5
DOBLU4
DOBLU3
DOBLU2
DOBLU1
DOBLU0
PPWR
PBIAS
PWM0
PWM1
PWM2
DHS
DVS
DEN
DCLK
AC16
OEXTR
R5014
3.3K(F)
RM501
RM502
RM503
RM504
RM505
RM506
RM507
RM508
RM509
[RMX4A]
68(J)
RODAT9
RODAT8
RODAT7
RODAT6
RODAT5
RODAT4
RODAT3
RODAT2
RODAT1
RODAT0
GODAT9
GODAT8
GODAT7
GODAT6
GODAT5
GODAT4
GODAT3
GODAT2
GODAT1
GODAT0
BODAT9
BODAT8
BODAT7
BODAT6
BODAT5
BODAT4
BODAT3
BODAT2
BODAT1
BODAT0
R5015
R5016
R5017
R5018
R5019
R5020
R5021
R5022
R5023
R5024
R5025
R5026
R5027
ML_HANDSHAKE
ML_DHS_ODD
ML_DHS_EVEN
ML_DVS_ODD
ML_DVS_EVEN
ML_DEN_ODD
ML_DEN_EVEN
ML_DCLK_ODD
ML_DCLK_EVEN
504:5C
506:1C
504:5D
506:1D
GND
ML+3.3V
R5028
R5029
R5030
R5031
R5032
4.7K(J)
W5017
ML_LVDSPD
404:6C;506:5A
R5072
LVDS TRANSMITTER
[U103]
IC505
/PDWN
RS
R/F
TA0
TA1
TA2
TA3
TA4
TA5
TA6
TB0
TB1
TB2
TB3
TB4
TB5
TB6
TC0
TC1
TC2
TC3
TC4
TC5
TC6
TD0
TD1
TD2
TD3
TD4
TD5
TD6
TE0
TE1
TE2
TE3
TE4
TE5
TE6
CLKIN
[LVDSVCC]
[PLLVCC]
[VCC]
[LVDSGND]
[PLLGND]
[GND]
TA+
TA-
TB+
TB-
TC+
TC-
TD+
TD-
TE+
TE-
TCLK+
TCLK-
* 200mV Swing
[FL09C]
FL534
FL535
FL536
ML_TxOA-
ML_TxOA+
ML_TxOB-
ML_TxOB+
ML_TxOC-
ML_TxOC+
ML_TxOCLK-
ML_TxOCLK+
ML_TxOD-
ML_TxOD+
ML_TxOE-
ML_TxOE+
506:6A
506:6B
C5033
470pF(J)
50V
C5034
10nF(K)
50V
C5035
470pF(J)
50V
C5036
10nF(K)
50V
C5037
470pF(J)
50V
C5038
100nF(K)
50V
C5039
470pF(J)
50V
C5040
100nF(K)
50V
FL511
FL512
FL513
FL514
62HM95
SIGNAL (ML DPORT ODD)
SH.NO.
504



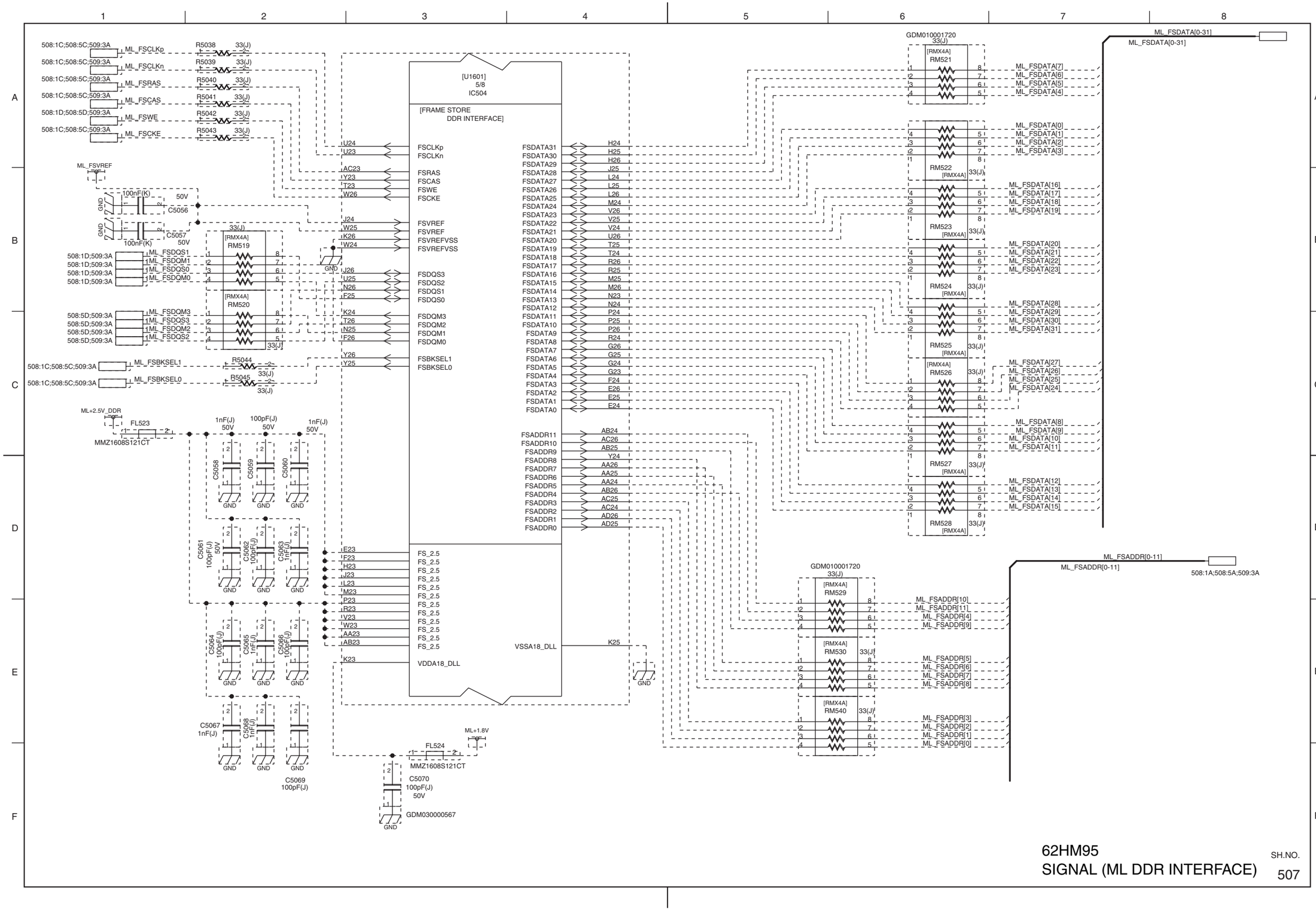
62HM95
SIGNAL (ML DPORT EVEN1)

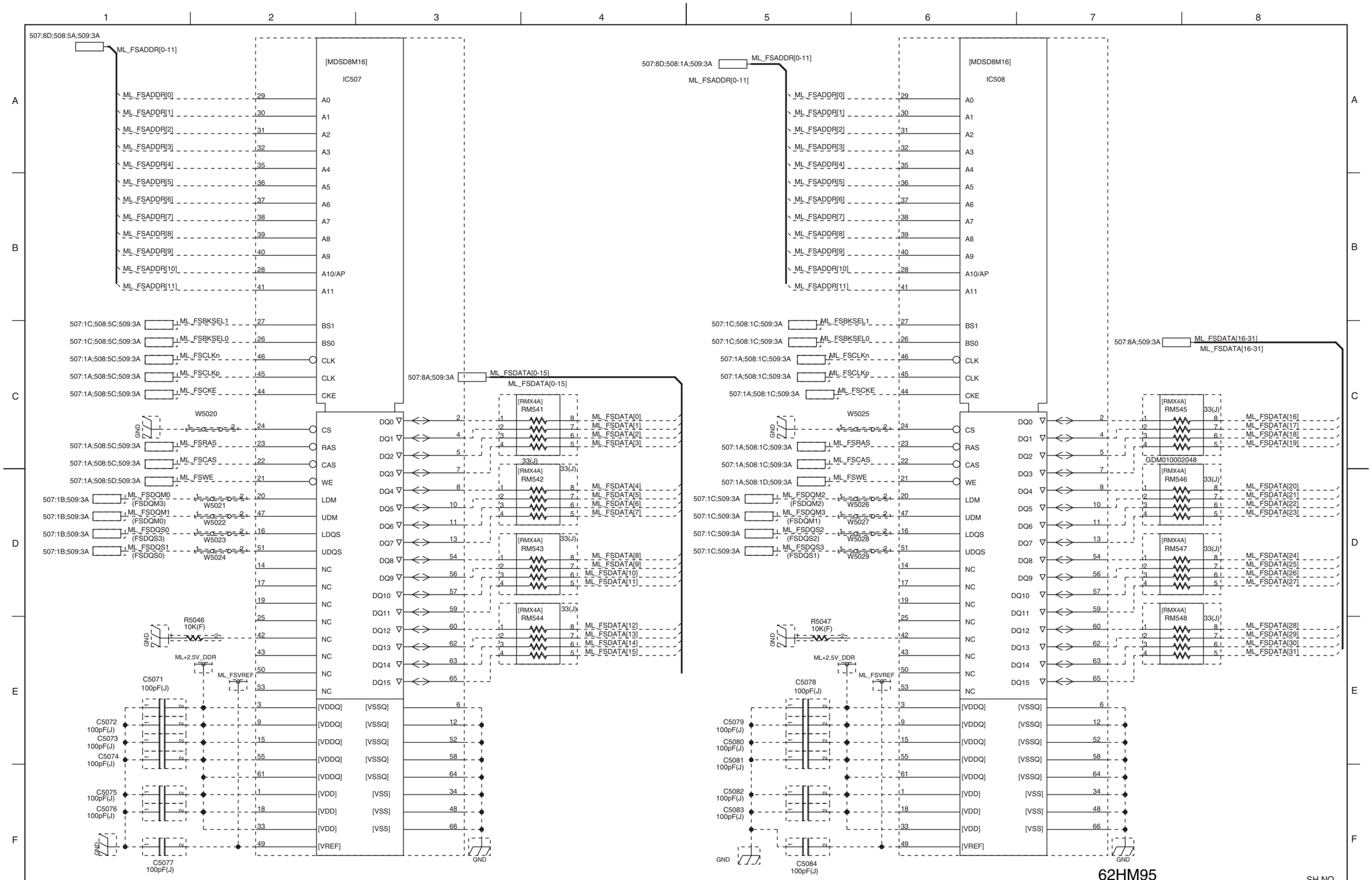
SH.NO.
505



62HM95
SIGNAL (ML DPORT EVEN2)

SH.NO.
506


[U1601]
5/8
IC504
[FRAME STORE
DDR INTERFACE]
FSCLKp
FSCLKn
FSRAS
FSCAS
FSWE
FSCKE
FSVREF
FSVREF
FSVREFVSS
FSVREFVSS
FSDQS3
FSDQS2
FSDQS1
FSDQS0
FSDQM3
FSDQM2
FSDQM1
FSDQM0
FSBKSEL1
FSBKSEL0
FSDATA31
FSDATA30
FSDATA29
FSDATA28
FSDATA27
FSDATA26
FSDATA25
FSDATA24
FSDATA23
FSDATA22
FSDATA21
FSDATA20
FSDATA19
FSDATA18
FSDATA17
FSDATA16
FSDATA15
FSDATA14
FSDATA13
FSDATA12
FSDATA11
FSDATA10
FSDATA9
FSDATA8
FSDATA7
FSDATA6
FSDATA5
FSDATA4
FSDATA3
FSDATA2
FSDATA1
FSDATA0
FSADDR11
FSADDR10
FSADDR9
FSADDR8
FSADDR7
FSADDR6
FSADDR5
FSADDR4
FSADDR3
FSADDR2
FSADDR1
FSADDR0
FS_2.5
VDDA18_DLL
VSSA18_DLL
ML_FSCLKp
ML_FSCLKn
ML_FSRAS
ML_FSCAS
ML_FSWE
ML_FSCKE
ML_FSVREF
ML_FSDQS1
ML_FSDQM1
ML_FSDQS0
ML_FSDQM0
ML_FSDQM3
ML_FSDQS3
ML_FSDQM2
ML_FSDQS2
ML_FSBKSEL1
ML_FSBKSEL0
ML+2.5V_DDR
FL523
MMZ1608S121CT
ML+1.8V
FL524
MMZ1608S121CT
GDM030000567
GDM010001720
33(J)
ML_FSDATA[0-31]
ML_FSADDR[0-11]
508:1A;508:5A;509:3A
62HM95
SIGNAL (ML DDR INTERFACE)
SH.NO.
507


1
2
3
4
5
6
7
8
A
B
C
D
E
F
507:8D;508:5A;509:3A
ML_FSADDR[0-11]
[MDSD8M16]
IC507
ML_FSADDR[0] 29 A0
ML_FSADDR[1] 30 A1
ML_FSADDR[2] 31 A2
ML_FSADDR[3] 32 A3
ML_FSADDR[4] 35 A4
ML_FSADDR[5] 36 A5
ML_FSADDR[6] 37 A6
ML_FSADDR[7] 38 A7
ML_FSADDR[8] 39 A8
ML_FSADDR[9] 40 A9
ML_FSADDR[10] 28 A10/AP
ML_FSADDR[11] 41 A11
507:1C;508:5C;509:3A ML_FSBKSEL1 27 BS1
507:1C;508:5C;509:3A ML_FSBKSEL0 26 BS0
507:1A;508:5C;509:3A ML_FSCLKn 46 CLK
507:1A;508:5C;509:3A ML_FSCLKp 45 CLK
507:1A;508:5C;509:3A ML_FSCKE 44 CKE
W5020
GND
507:1A;508:5C;509:3A ML_FSRAS 24 CS
507:1A;508:5C;509:3A ML_FSCAS 23 RAS
507:1A;508:5D;509:3A ML_FSWE 22 CAS
21 WE
507:1B;509:3A ML_FSDQM0 (FSDQM3) W5021 20 LDM
507:1B;509:3A ML_FSDQM1 (FSDQM0) W5022 47 UDM
507:1B;509:3A ML_FSDQS0 (FSDQS3) W5023 16 LDQS
507:1B;509:3A ML_FSDQS1 (FSDQS0) W5024 51 UDQS
14 NC
17 NC
19 NC
25 NC
42 NC
43 NC
50 NC
53 NC
R5046
10K(F)
ML+2.5V_DDR
ML_FSVREF
C5071
100pF(J)
C5072
100pF(J)
C5073
100pF(J)
C5074
100pF(J)
C5075
100pF(J)
C5076
100pF(J)
C5077
100pF(J)
3 [VDDQ]
9 [VDDQ]
15 [VDDQ]
55 [VDDQ]
61 [VDDQ]
1 [VDD]
18 [VDD]
33 [VDD]
49 [VREF]
[VSSQ] 6
[VSSQ] 12
[VSSQ] 52
[VSSQ] 58
[VSSQ] 64
[VSS] 34
[VSS] 48
[VSS] 66
GND
507:8A;509:3A ML_FSDATA[0-15]
ML_FSDATA[0-15]
DQ0 2
DQ1 4
DQ2 5
DQ3 7
DQ4 8
DQ5 10
DQ6 11
DQ7 13
DQ8 54
DQ9 56
DQ10 57
DQ11 59
DQ12 60
DQ13 62
DQ14 63
DQ15 65
[RMX4A] RM541
33(J)
ML_FSDATA[0]
ML_FSDATA[1]
ML_FSDATA[2]
ML_FSDATA[3]
[RMX4A] RM542
ML_FSDATA[4]
ML_FSDATA[5]
ML_FSDATA[6]
ML_FSDATA[7]
[RMX4A] RM543
ML_FSDATA[8]
ML_FSDATA[9]
ML_FSDATA[10]
ML_FSDATA[11]
[RMX4A] RM544
ML_FSDATA[12]
ML_FSDATA[13]
ML_FSDATA[14]
ML_FSDATA[15]
507:8D;508:1A;509:3A
ML_FSADDR[0-11]
[MDSD8M16]
IC508
W5025
507:1A;508:1C;509:3A ML_FSRAS
507:1A;508:1C;509:3A ML_FSCAS
507:1A;508:1D;509:3A ML_FSWE
507:1C;509:3A ML_FSDQM2 (FSDQM2) W5026
507:1C;509:3A ML_FSDQM3 (FSDQM1) W5027
507:1C;509:3A ML_FSDQS2 (FSDQS2) W5028
507:1C;509:3A ML_FSDQS3 (FSDQS1) W5029
R5047
10K(F)
C5078
100pF(J)
C5079
100pF(J)
C5080
100pF(J)
C5081
100pF(J)
C5082
100pF(J)
C5083
100pF(J)
C5084
100pF(J)
507:8A;509:3A ML_FSDATA[16-31]
ML_FSDATA[16-31]
[RMX4A] RM545
ML_FSDATA[16]
ML_FSDATA[17]
ML_FSDATA[18]
ML_FSDATA[19]
GDM010002048
[RMX4A] RM546
ML_FSDATA[20]
ML_FSDATA[21]
ML_FSDATA[22]
ML_FSDATA[23]
[RMX4A] RM547
ML_FSDATA[24]
ML_FSDATA[25]
ML_FSDATA[26]
ML_FSDATA[27]
[RMX4A] RM548
ML_FSDATA[28]
ML_FSDATA[29]
ML_FSDATA[30]
ML_FSDATA[31]
62HM95
SIGNAL (ML DDR SDRAM)
SH.NO.
508

ML_FSADDR[0-11],ML_FSBKSEL0,ML_FSBKSEL1,ML_FSCAS,ML_FSCKE,ML_FSCLKn,ML_FSCLKp,ML_FSDATA[0-31],ML_FSDQM0,ML_FSDQM1,ML_FSDQM2,ML_FSDQM3,ML_FSDQS0,ML_FSDQS1,ML_FSDQS2,ML_FSDQS3,ML_FSRAS,ML_FSWE

ML+2.5V_DDR

R5049

REG.
[L2995]
IC509
LP2995MX
VDDQ
VREF
VSENSE
NC
VTT
[AVIN]
[PVIN]
[GND]

W5030

ML_FSVREF

C5085 1uF(K) 10V

C5086 220uF(M) [CP] 16V

C5087 10nF(K)

R5055 10K(F)

GND

C5088 100nF(K)
C5089 100nF(K)
C5090 100nF(K)
C5091 100nF(K)
C5092 100nF(K)
C5093 100nF(K)
C5094 100nF(K)
C5095 100nF(K)
C5096 100nF(K)
C5097 100nF(K)
C5098 100nF(K)

RM549 [RMX4A] 150(J)
RM550 [RMX4A] 150(J)
RM551 [RMX4A] 150(J)
RM552 [RMX4A] 150(J)
RM553 [RMX4A] 150(J)
RM554 [RMX4A] 150(J)
RM555 [RMX4A] 150(J)
RM556 [RMX4A] 150(J)
RM557 [RMX4A] 150(J)
RM558 [RMX4A] 150(J)
RM559 [RMX4A] 150(J)

ML_FSDATA[31] ML_FSDATA[30] ML_FSDATA[29] ML_FSDATA[28]
ML_FSDATA[27] ML_FSDATA[26] ML_FSDATA[25] ML_FSDATA[24]
ML_FSDATA[23] ML_FSDATA[22] ML_FSDATA[21] ML_FSDATA[20]
ML_FSDATA[19] ML_FSDATA[18] ML_FSDATA[17] ML_FSDATA[16]
ML_FSDATA[15] ML_FSDATA[14] ML_FSDATA[13] ML_FSDATA[12]
ML_FSDATA[11] ML_FSDATA[10] ML_FSDATA[9] ML_FSDATA[8]
ML_FSDATA[7] ML_FSDATA[6] ML_FSDATA[5] ML_FSDATA[4]
ML_FSDATA[3] ML_FSDATA[2] ML_FSDATA[1] ML_FSDATA[0]
ML_FSADDR[10] ML_FSADDR[11] ML_FSADDR[9] ML_FSADDR[8]
ML_FSADDR[7] ML_FSADDR[6] ML_FSADDR[5] ML_FSADDR[4]
ML_FSADDR[3] ML_FSADDR[2] ML_FSADDR[1] ML_FSADDR[0]

ML_FSRAS ML_FSCAS ML_FSWE
ML_FSDQS0 ML_FSDQM0 ML_FSDQM1 ML_FSDQS1
ML_FSDQS3 ML_FSDQM3 ML_FSDQM2 ML_FSDQS2

RM562 [RMX4A] 150(J)
RM561 [RMX4A] 150(J)
[RMX4A] RM560 150(J)

ML_FSBKSEL1
ML_FSBKSEL0
ML_FSCLKn
ML_FSCLKp
ML_FSCKE

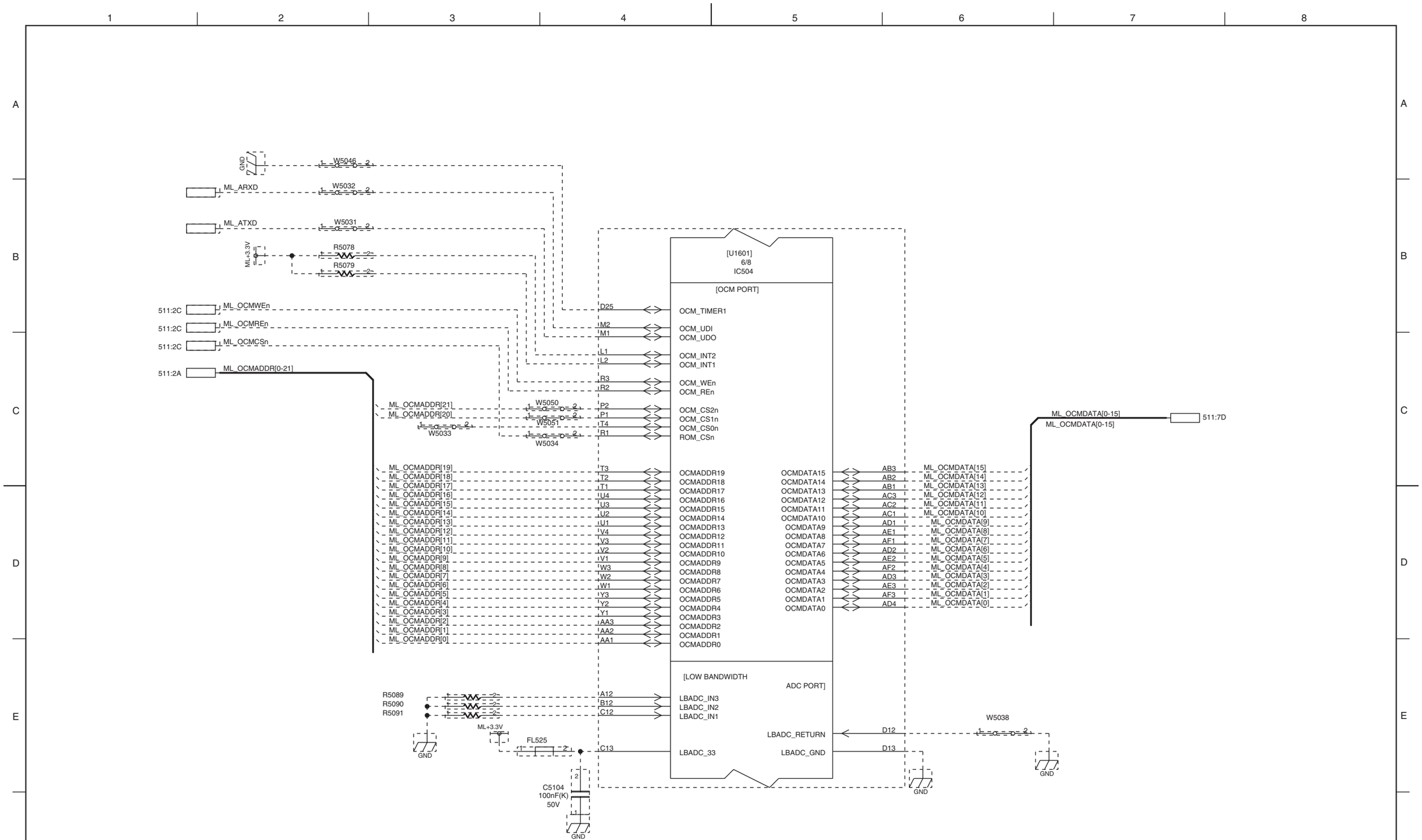
R5054 150(J)
R5053 150(J)
R5052 150(J)
R5051 150(J)
R5050 150(J)

C5103 100nF(K)
C5102 100nF(K)
C5101 100nF(K)
C5100 100nF(K)
C5099 100nF(K)

GND

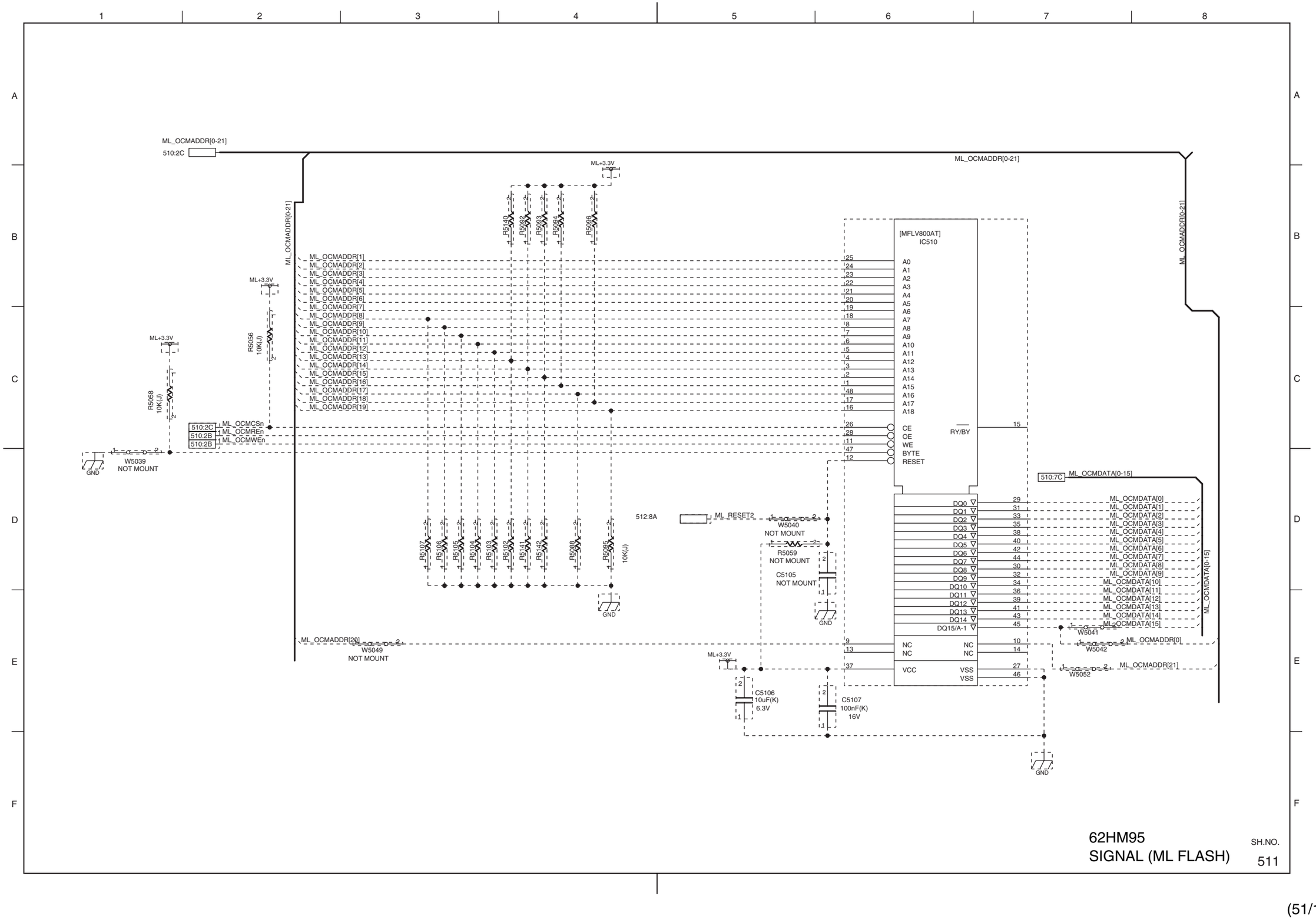
62HM95
SIGNAL (ML DDR TERMINATION)

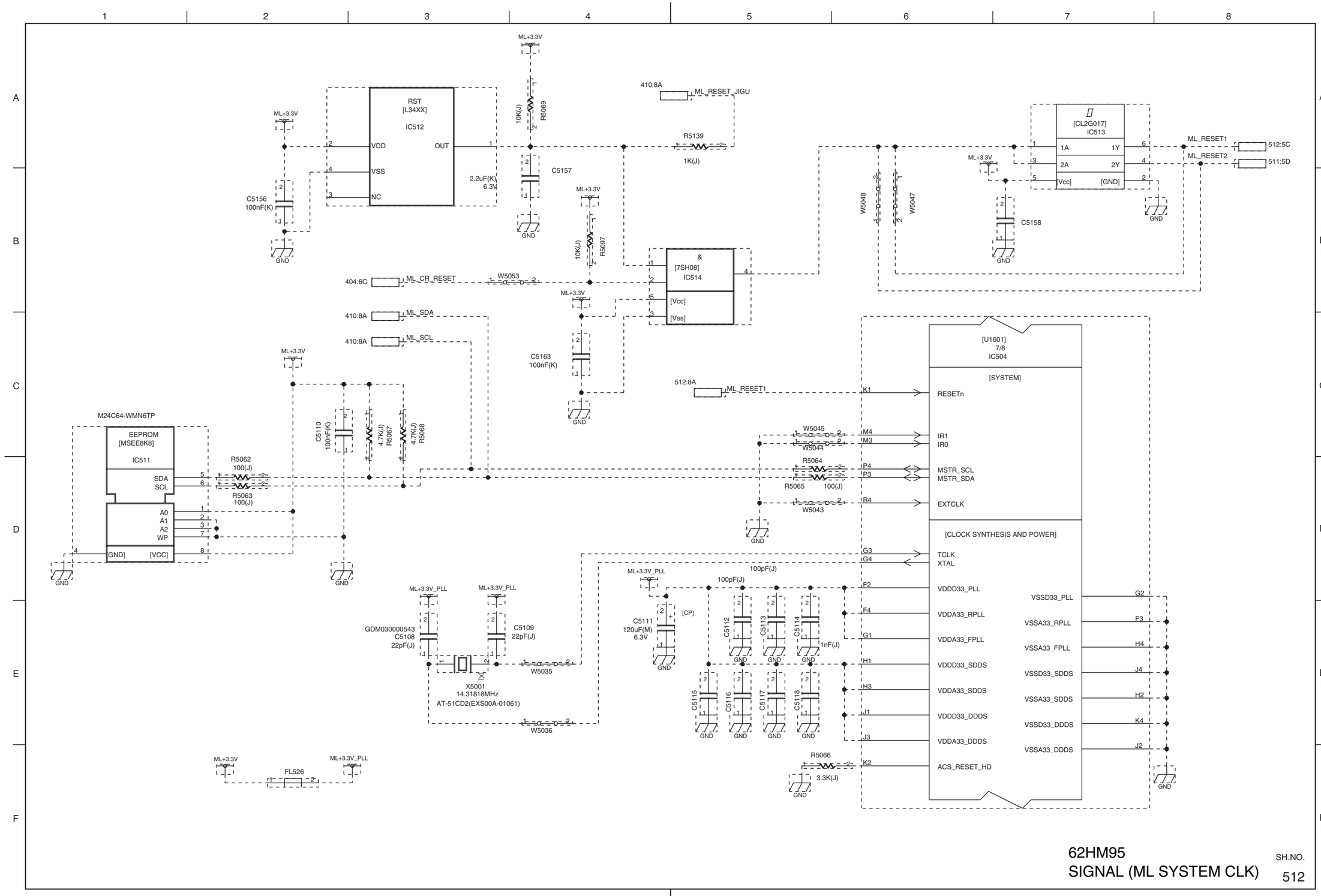
SH.NO. 509

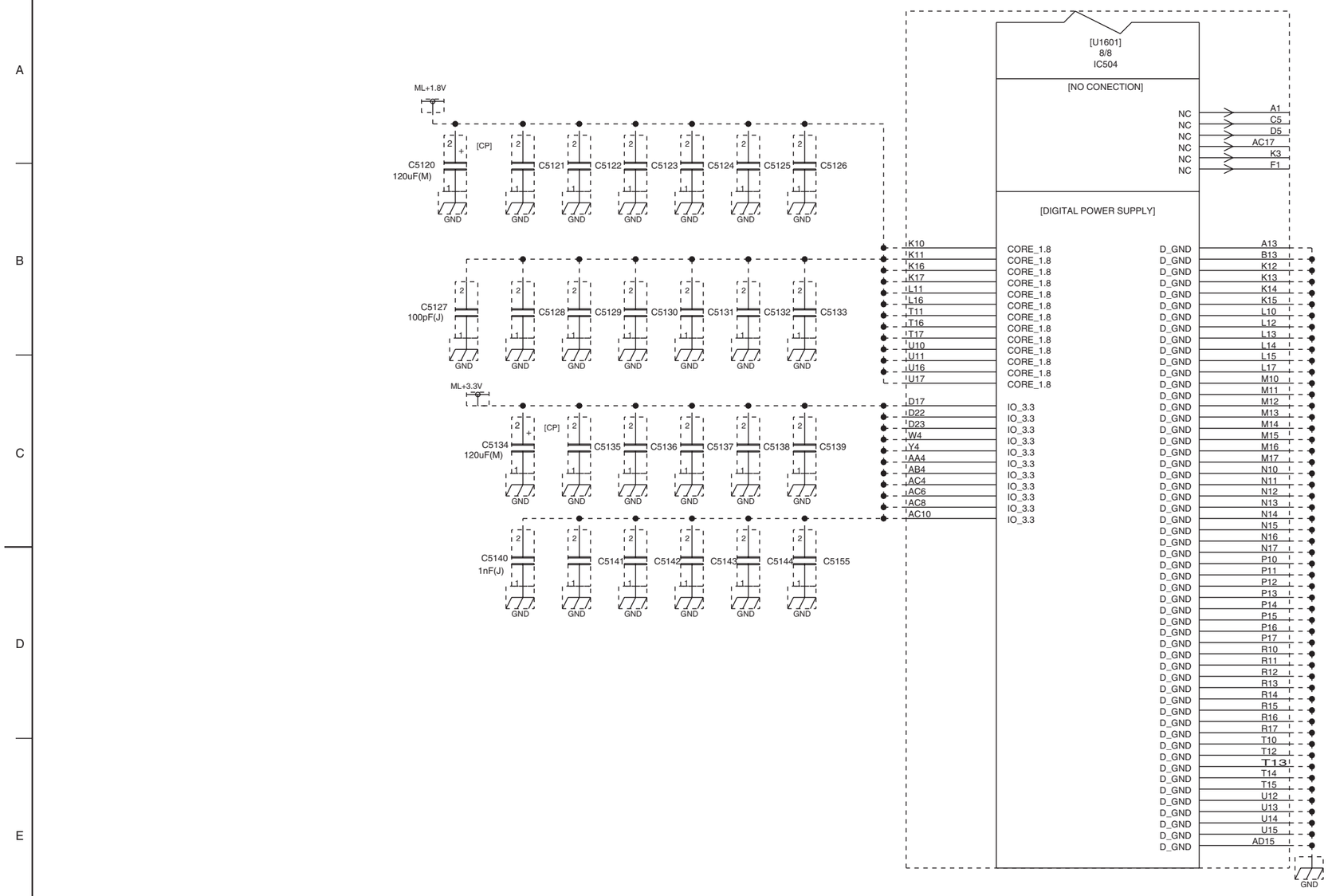


62HM95
SIGNAL (ML OCM PORT)

SH.NO.
510

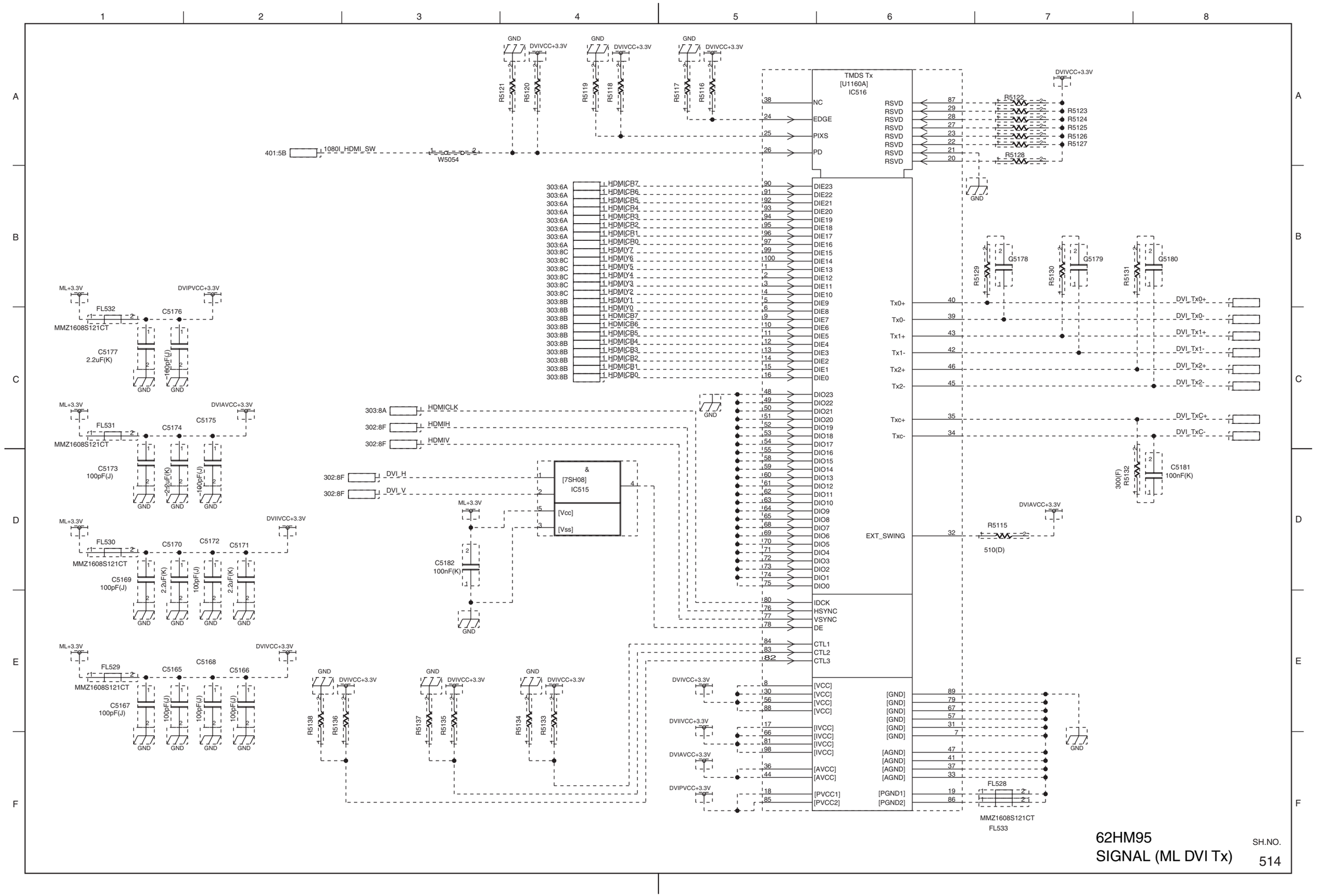

ML_OCMADDR[0-21]
510:2C
ML+3.3V
R5140
R5092
R5093
R5094
R5096
R5107
R5106
R5105
R5104
R5103
R5102
R5141
R5142
R5088
R5095
10K(J)
ML_OCMADDR[1]
ML_OCMADDR[2]
ML_OCMADDR[3]
ML_OCMADDR[4]
ML_OCMADDR[5]
ML_OCMADDR[6]
ML_OCMADDR[7]
ML_OCMADDR[8]
ML_OCMADDR[9]
ML_OCMADDR[10]
ML_OCMADDR[11]
ML_OCMADDR[12]
ML_OCMADDR[13]
ML_OCMADDR[14]
ML_OCMADDR[15]
ML_OCMADDR[16]
ML_OCMADDR[17]
ML_OCMADDR[18]
ML_OCMADDR[19]
R5056
10K(J)
R5058
10K(J)
510:2C ML_OCMCSn
510:2B ML_OCMREn
510:2B ML_OCMWEn
W5039
NOT MOUNT
GND
[MFLV800AT]
IC510
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
CE
OE
WE
BYTE
RESET
RY/BY
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15/A-1
NC
NC
NC
NC
VCC
VSS
VSS
510:7C ML_OCMDATA[0-15]
ML_OCMDATA[0]
ML_OCMDATA[1]
ML_OCMDATA[2]
ML_OCMDATA[3]
ML_OCMDATA[4]
ML_OCMDATA[5]
ML_OCMDATA[6]
ML_OCMDATA[7]
ML_OCMDATA[8]
ML_OCMDATA[9]
ML_OCMDATA[10]
ML_OCMDATA[11]
ML_OCMDATA[12]
ML_OCMDATA[13]
ML_OCMDATA[14]
ML_OCMDATA[15]
W5041
W5042
W5052
ML_OCMADDR[0]
ML_OCMADDR[21]
512:8A
ML_RESET2
W5040
NOT MOUNT
R5059
NOT MOUNT
C5105
NOT MOUNT
W5049
NOT MOUNT
C5106
10uF(K)
6.3V
C5107
100nF(K)
16V
62HM95
SIGNAL (ML FLASH)
SH.NO.
511

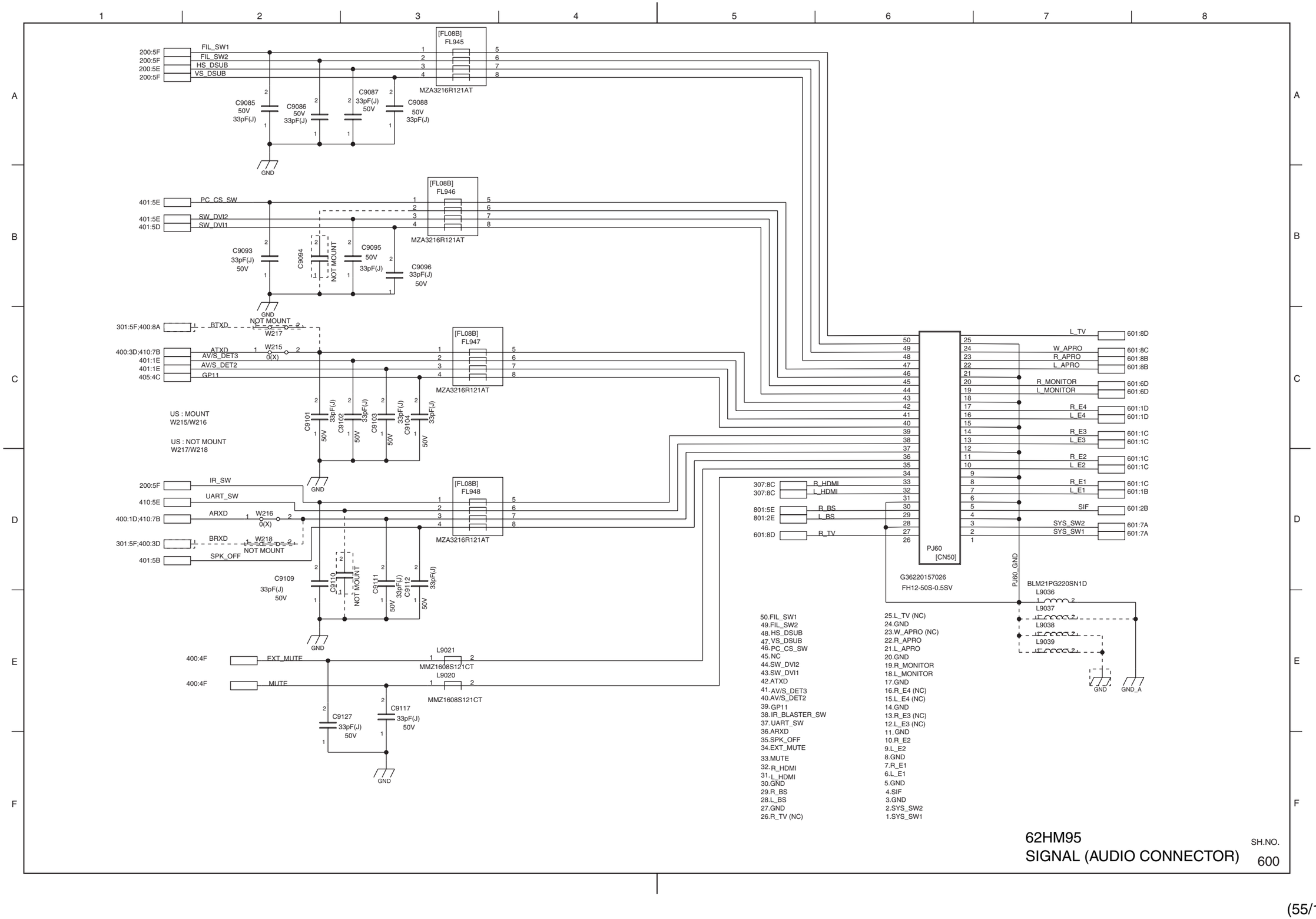

RST
[L34XX]
IC512
VDD
VSS
NC
OUT
ML+3.3V
C5156
100nF(K)
C5157
2.2uF(K)
6.3V
10K(J)
R5069
410:8A
ML_RESET_JIGU
R5139
1K(J)
GND
[CL2G017]
IC513
1A
2A
[Vcc]
1Y
2Y
[GND]
ML_RESET1
ML_RESET2
512:5C
511:5D
C5158
W5048
W5047
10K(J)
R5097
&
[7SH08]
IC514
404:6C
ML_CR_RESET
W5053
410:8A
ML_SDA
410:8A
ML_SCL
C5163
100nF(K)
[Vss]
512:8A
ML_RESET1
[U1601]
7/8
IC504
[SYSTEM]
RESETn
IR1
IR0
MSTR_SCL
MSTR_SDA
EXTCLK
[CLOCK SYNTHESIS AND POWER]
TCLK
XTAL
VDDD33_PLL
VDDA33_RPLL
VDDA33_FPLL
VDDD33_SDDS
VDDA33_SDDS
VDDD33_DDDS
VDDA33_DDDS
ACS_RESET_HD
VSSD33_PLL
VSSA33_RPLL
VSSA33_FPLL
VSSD33_SDDS
VSSA33_SDDS
VSSD33_DDDS
VSSA33_DDDS
W5045
W5044
R5064
R5065
100(J)
W5043
R4
M24C64-WMN6TP
EEPROM
[MSEE8K8]
IC511
SDA
SCL
A0
A1
A2
WP
[GND]
[VCC]
R5062
100(J)
R5063
100(J)
C5110
100nF(K)
4.7K(J)
R5067
4.7K(J)
R5068
100pF(J)
C5111
120uF(M)
6.3V
[CP]
C5112
C5113
C5114
1nF(J)
C5115
C5116
C5117
C5118
GDM030000543
C5108
22pF(J)
C5109
22pF(J)
X5001
14.31818MHz
AT-51CD2(EXS00A-01061)
W5035
W5036
ML+3.3V_PLL
FL526
R5066
3.3K(J)
62HM95
SIGNAL (ML SYSTEM CLK)
SH.NO.
512



62HM95
SIGNAL (ML POWER & GND)

SH.NO.
513


TMDS Tx
[U1160A]
IC516
401:5B
1080I_HDMI_SW
W5054
R5121
R5120
R5119
R5118
R5117
R5116
GND
DVIVCC+3.3V
R5122
R5123
R5124
R5125
R5126
R5127
R5128
HDMICB7
HDMICB6
HDMICB5
HDMICB4
HDMICB3
HDMICB2
HDMICB1
HDMICB0
HDMIY7
HDMIY6
HDMIY5
HDMIY4
HDMIY3
HDMIY2
HDMIY1
HDMIY0
HDMICLK
HDMIH
HDMIV
DVI_H
DVI_V
[7SH08]
IC515
C5182
100nF(K)
ML+3.3V
DVIPVCC+3.3V
DVIAVCC+3.3V
DVIIVCC+3.3V
DVIVCC+3.3V
FL532
FL531
FL530
FL529
MMZ1608S121CT
C5176
C5175
C5174
C5173
C5172
C5171
C5170
C5169
C5168
C5167
C5166
C5165
C5177
2.2uF(K)
100pF(J)
C5178
C5179
C5180
R5129
R5130
R5131
DVI_Tx0+
DVI_Tx0-
DVI_Tx1+
DVI_Tx1-
DVI_Tx2+
DVI_Tx2-
DVI_TxC+
DVI_TxC-
C5181
100nF(K)
R5132
300(F)
R5115
510(D)
EXT_SWING
FL528
FL533
R5138
R5136
R5137
R5135
R5134
R5133
62HM95
SIGNAL (ML DVI Tx)
SH.NO.
514


[FL08B]
FL945
MZA3216R121AT
200:5F FIL_SW1
200:5F FIL_SW2
200:5E HS_DSUB
200:5F VS_DSUB
C9085 50V 33pF(J)
C9086 50V 33pF(J)
C9087 33pF(J) 50V
C9088 50V 33pF(J)
GND
[FL08B]
FL946
MZA3216R121AT
401:5E PC_CS_SW
401:5E SW_DVI2
401:5D SW_DVI1
C9093 33pF(J) 50V
C9094
NOT MOUNT
C9095 50V 33pF(J)
C9096 33pF(J) 50V
GND
NOT MOUNT
301:5F;400:8A BTXD
W217
[FL08B]
FL947
MZA3216R121AT
400:3D;410:7B ATXD
401:1E AV/S_DET3
401:1E AV/S_DET2
405:4C GP11
W215 0(X)
US : MOUNT
W215/W216
US : NOT MOUNT
W217/W218
C9101 33pF(J) 50V
C9102 33pF(J) 50V
C9103 33pF(J) 50V
C9104 33pF(J) 50V
GND
200:5F IR_SW
410:5E UART_SW
400:1D;410:7B ARXD
W216 0(X)
301:5F;400:3D BRXD
W218
NOT MOUNT
401:5B SPK_OFF
[FL08B]
FL948
MZA3216R121AT
C9109 33pF(J) 50V
C9110
NOT MOUNT
C9111 33pF(J) 50V
C9112 33pF(J) 50V
GND
400:4F EXT_MUTE
L9021
MMZ1608S121CT
400:4F MUTE
L9020
MMZ1608S121CT
C9127 33pF(J) 50V
C9117 33pF(J) 50V
GND
307:8C R_HDMI
307:8C L_HDMI
801:5E R_BS
801:2E L_BS
601:8D R_TV
PJ60
[CN50]
G36220157026
FH12-50S-0.5SV
50.FIL_SW1
49.FIL_SW2
48.HS_DSUB
47.VS_DSUB
46.PC_CS_SW
45.NC
44.SW_DVI2
43.SW_DVI1
42.ATXD
41.AV/S_DET3
40.AV/S_DET2
39.GP11
38.IR_BLASTER_SW
37.UART_SW
36.ARXD
35.SPK_OFF
34.EXT_MUTE
33.MUTE
32.R_HDMI
31.L_HDMI
30.GND
29.R_BS
28.L_BS
27.GND
26.R_TV (NC)
25.L_TV (NC)
24.GND
23.W_APRO (NC)
22.R_APRO
21.L_APRO
20.GND
19.R_MONITOR
18.L_MONITOR
17.GND
16.R_E4 (NC)
15.L_E4 (NC)
14.GND
13.R_E3 (NC)
12.L_E3 (NC)
11.GND
10.R_E2
9.L_E2
8.GND
7.R_E1
6.L_E1
5.GND
4.SIF
3.GND
2.SYS_SW2
1.SYS_SW1
L_TV 601:8D
W_APRO 601:8C
R_APRO 601:8B
L_APRO 601:8B
R_MONITOR 601:6D
L_MONITOR 601:6D
R_E4 601:1D
L_E4 601:1D
R_E3 601:1C
L_E3 601:1C
R_E2 601:1C
L_E2 601:1C
R_E1 601:1C
L_E1 601:1B
SIF 601:2B
SYS_SW2 601:7A
SYS_SW1 601:7A
PJ60_GND
BLM21PG220SN1D
L9036
L9037
L9038
L9039
GND
GND_A
62HM95
SIGNAL (AUDIO CONNECTOR)
SH.NO.
600

MULTI SOUND PRO.
[U44X0G]
IC600

MSP4440G-QI-C13-100

[L47XX]
IC601

[L4558]
IC602

[L4558]
IC603

IC600

Q600
Q630
2SC2712-Y(TE85R,F)

X600
18.432MHz

SDA1
SCL1
MSP_RESET
L_E1
R_E1
L_E2
R_E2
L_E3
R_E3
L_DB
L_E4
R_DB
R_E4
I2S_DA_IN1

I2C_DA
I2C_CL
ADR_SEL
STANDBYQ
RESETQ
TESTEN
ANA_IN1+
ANA_IN-
ANA_IN2+
MONO_IN
SC1_IN_L
SC1_IN_R
ASG
SC2_IN_L
SC2_IN_R
ASG
SC3_IN_L
SC3_IN_R
ASG
SC4_IN_L
SC4_IN_R
XTAL_IN
XTAL_OUT
NC
NC
DACM_SUB
I2S_DA_IN1
I2S_DA_IN2/3
I2S_WS3
I2S_CL3
[AHVSUP]
[AVSUP]
[DVSUP]

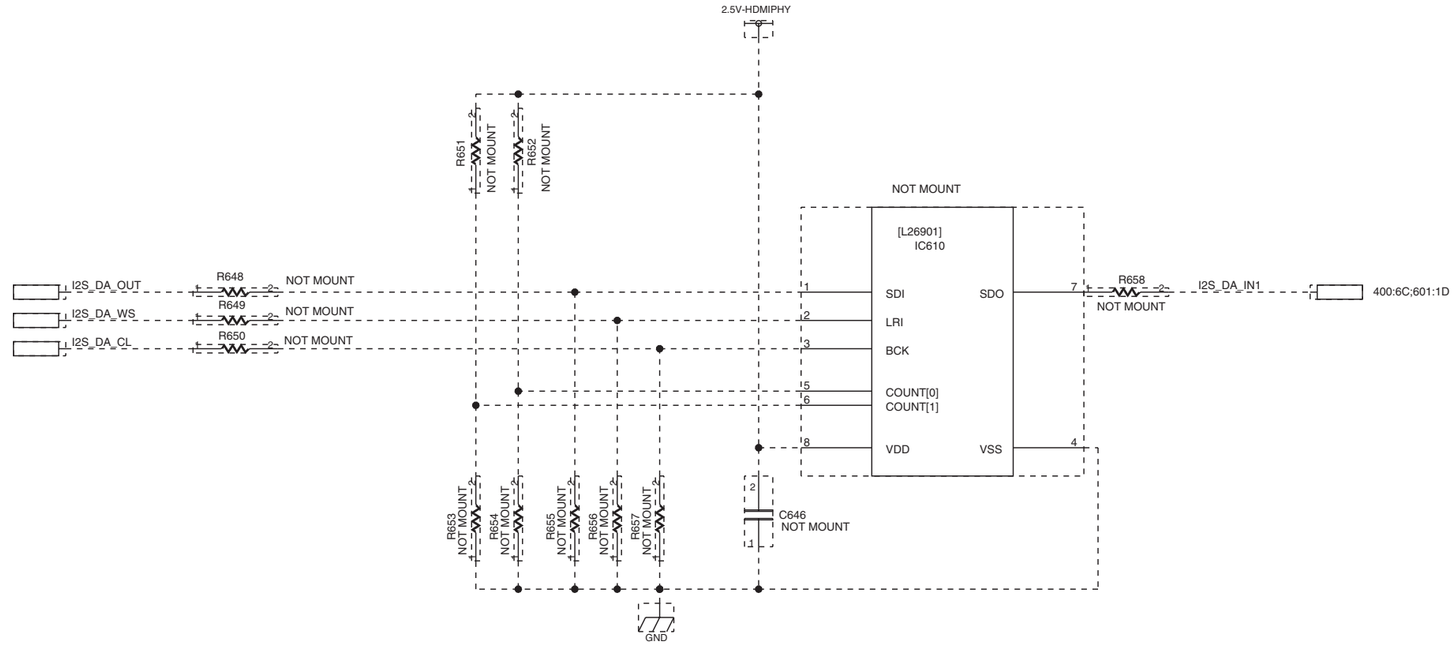
D_CTR_I/O_0
D_CTR_I/O_1
TP
DACM_L
DACM_R
DACA_L
DACA_R
SC1_OUT_L
SC1_OUT_R
SC2_OUT_L
SC2_OUT_R
VREFTOP
AGNDC
VREF1
VREF2
CAPL_M
CAPL_A
AUD_CL_OUT
NC
NC
NC
NC
I2S_DA_OUT
I2S_WS
I2S_CL
I2S_DA_IN3 /ADR_DA
I2S_DA_IN4 /ADR_WS
ADR_CL
[AHVSS]
[AVSS]
[DVSS]

SYS_SW2
SYS_SW1
L_APRO
R_APRO
W_APRO
L_MONITOR
R_MONITOR
L_MPEG
L_TV
R_MPEG
R_TV
I2S_DA_OUT
I2S_DA_WS
I2S_DA_CL

400:6C;602:6C

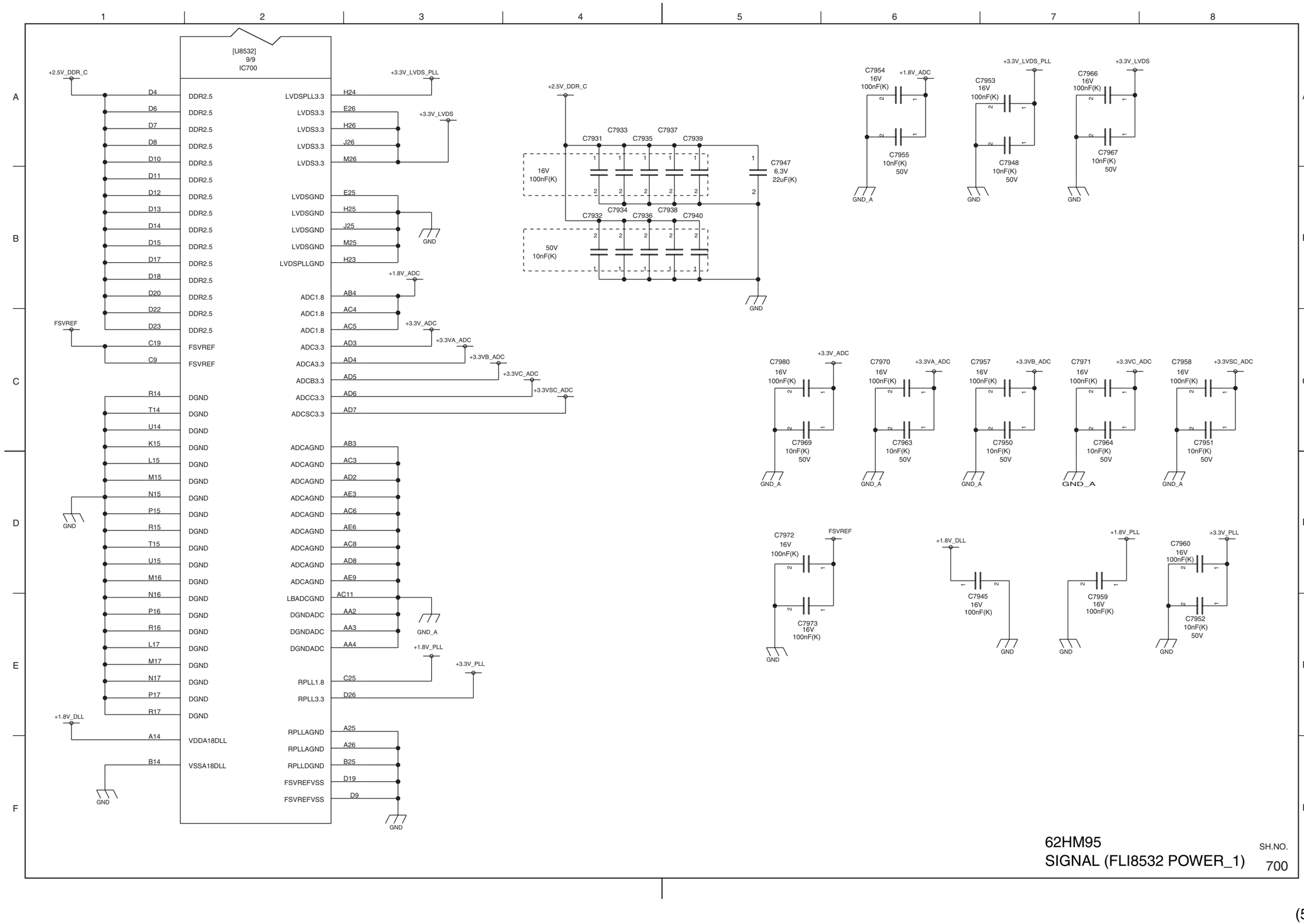
62HM95
SIGNAL (AUDIO_MSP)

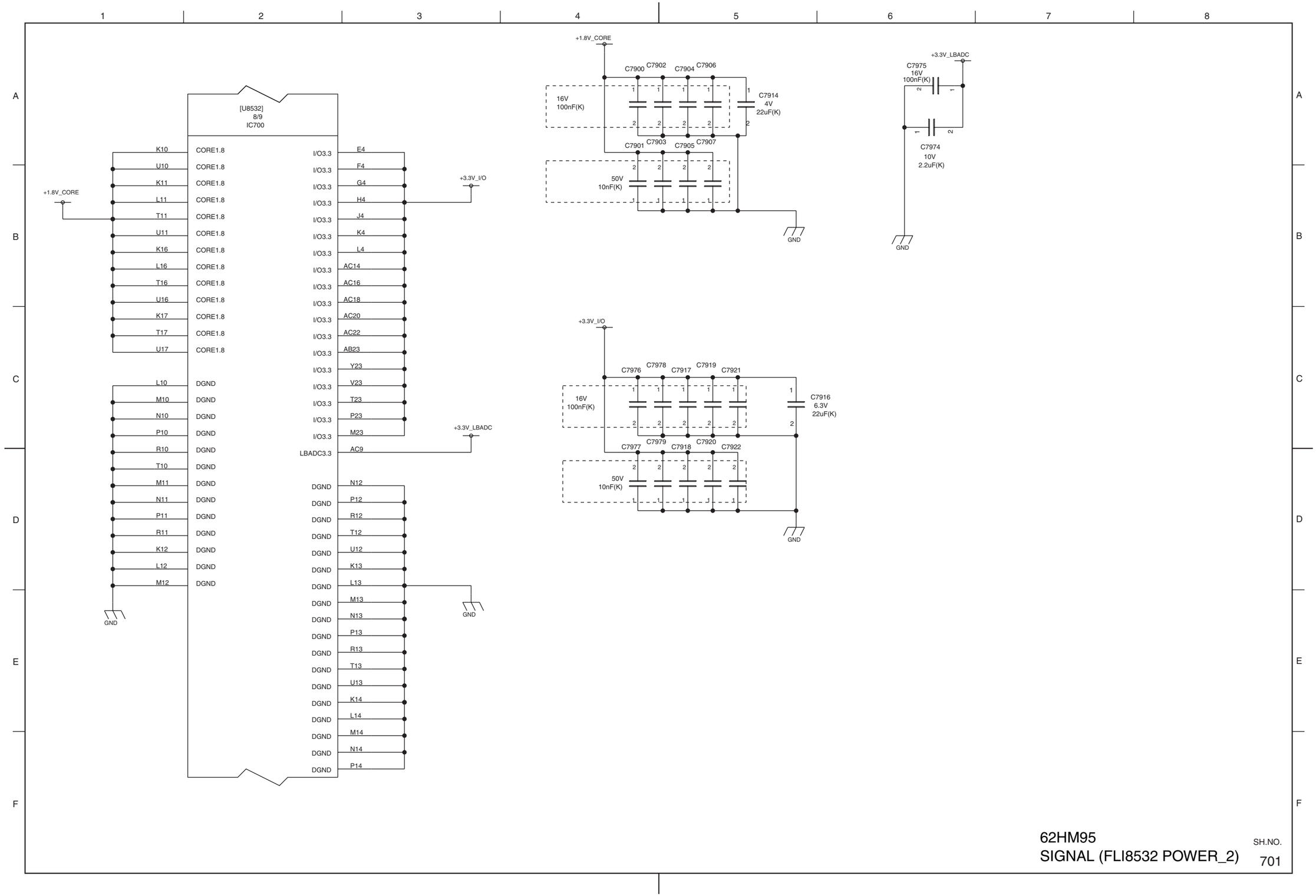
SH.NO.
601



62HM95
SIGNAL (AUDIO_DELAY)

SH.NO.
602


[U8532]
9/9
IC700
+2.5V_DDR_C
D4
D6
D7
D8
D10
D11
D12
D13
D14
D15
D17
D18
D20
D22
D23
DDR2.5
FSVREF
C19
C9
R14
T14
U14
K15
L15
M15
N15
P15
R15
T15
U15
M16
N16
P16
R16
L17
M17
N17
P17
R17
DGND
A14
VDDA18DLL
B14
VSSA18DLL
GND
+1.8V_DLL
+3.3V_LVDS_PLL
LVDSPLL3.3
H24
+3.3V_LVDS
LVDS3.3
E26
H26
J26
M26
LVDSGND
E25
H25
J25
M25
LVDSPLLGND
H23
+1.8V_ADC
ADC1.8
AB4
AC4
+3.3V_ADC
AC5
+3.3VA_ADC
ADC3.3
AD3
+3.3VB_ADC
ADCA3.3
AD4
+3.3VC_ADC
ADCB3.3
AD5
+3.3VSC_ADC
ADCC3.3
AD6
ADCSC3.3
AD7
ADCAGND
AB3
AC3
AD2
AE3
AC6
AE6
AC8
AD8
AE9
LBADCGND
AC11
GND_A
DGNDADC
AA2
AA3
AA4
+1.8V_PLL
+3.3V_PLL
RPLL1.8
C25
RPLL3.3
D26
RPLLAGND
A25
A26
RPLLDGND
B25
FSVREFVSS
D19
D9
+2.5V_DDR_C
C7931
C7933
C7935
C7937
C7939
16V
100nF(K)
C7947
6.3V
22uF(K)
C7932
C7934
C7936
C7938
C7940
50V
10nF(K)
C7954
16V
100nF(K)
+1.8V_ADC
C7955
10nF(K)
50V
GND_A
C7953
16V
100nF(K)
+3.3V_LVDS_PLL
C7948
10nF(K)
50V
GND
C7966
16V
100nF(K)
+3.3V_LVDS
C7967
10nF(K)
50V
C7980
16V
100nF(K)
+3.3V_ADC
C7969
10nF(K)
50V
C7970
16V
100nF(K)
+3.3VA_ADC
C7963
10nF(K)
50V
C7957
16V
100nF(K)
+3.3VB_ADC
C7950
10nF(K)
50V
C7971
16V
100nF(K)
+3.3VC_ADC
C7964
10nF(K)
50V
C7958
16V
100nF(K)
+3.3VSC_ADC
C7951
10nF(K)
50V
C7972
16V
100nF(K)
FSVREF
C7973
16V
100nF(K)
C7945
16V
100nF(K)
C7959
16V
100nF(K)
C7960
16V
100nF(K)
C7952
10nF(K)
50V
62HM95
SIGNAL (FLI8532 POWER_1)
SH.NO.
700

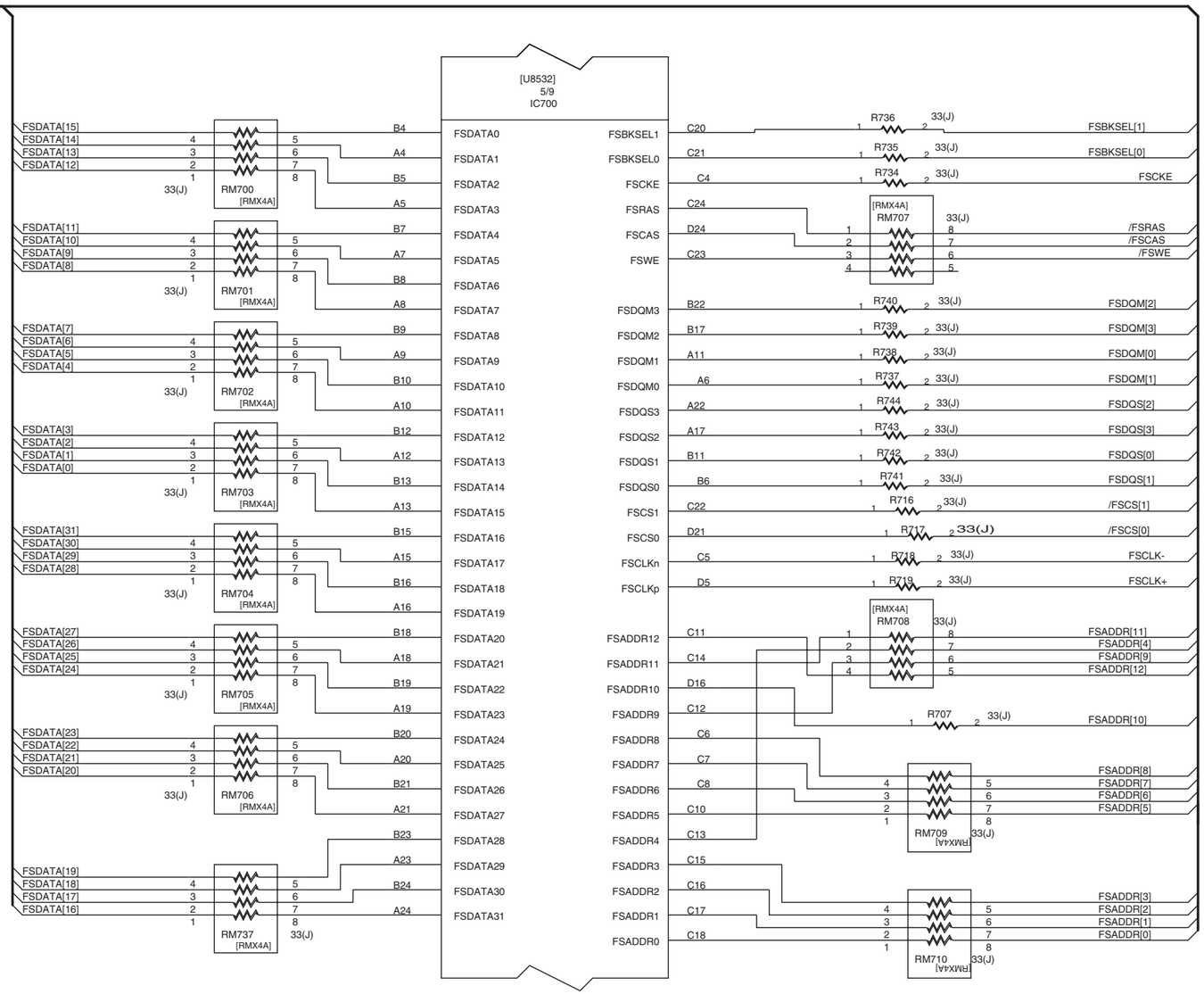


62HM95
SIGNAL (FLI8532 POWER_2)

SH.NO.
701

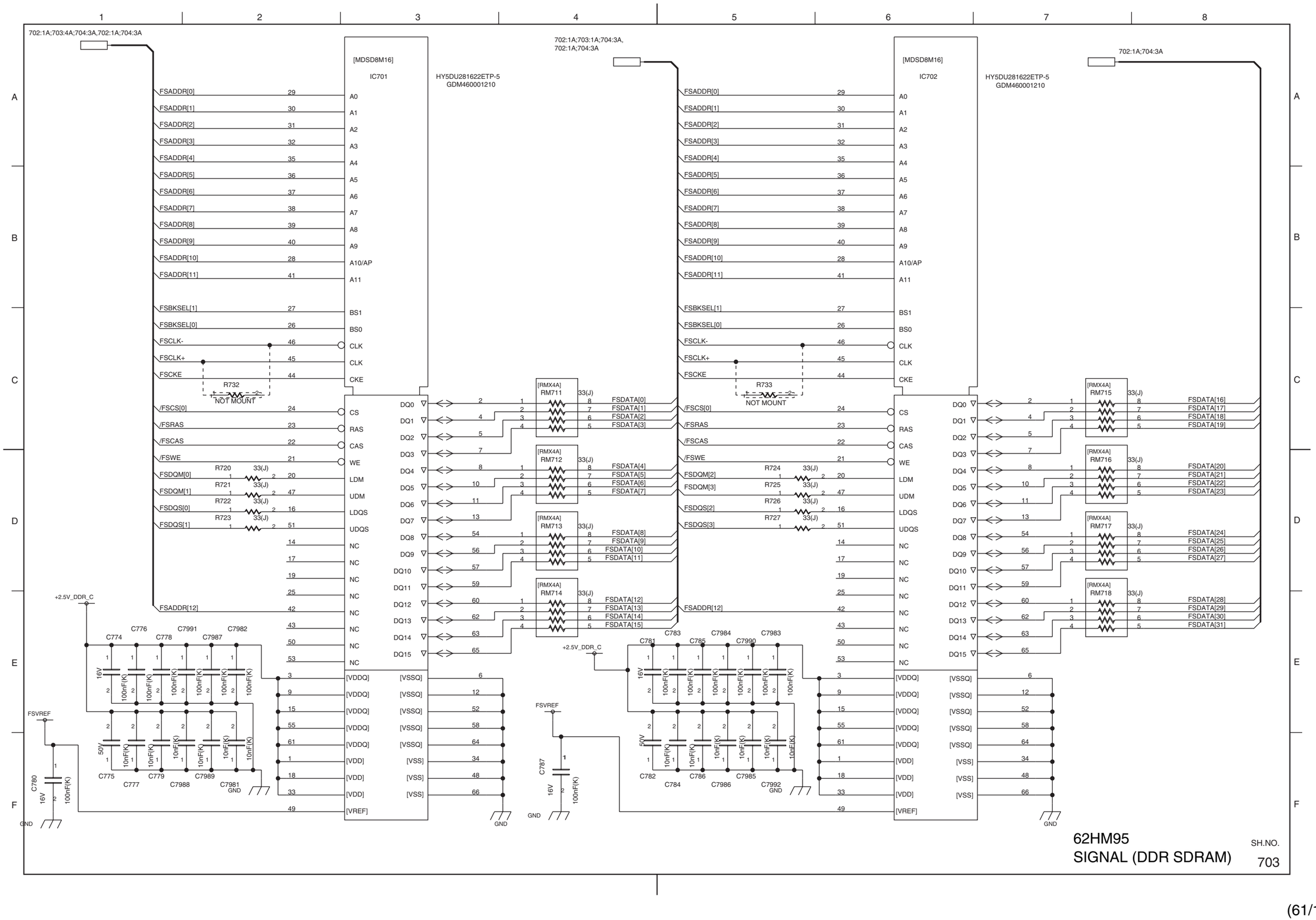
703:4A;704:3A,703:7A;704:3A,
703:1A;703:4A;704:3A,704:3A,
703:1A;704:3A

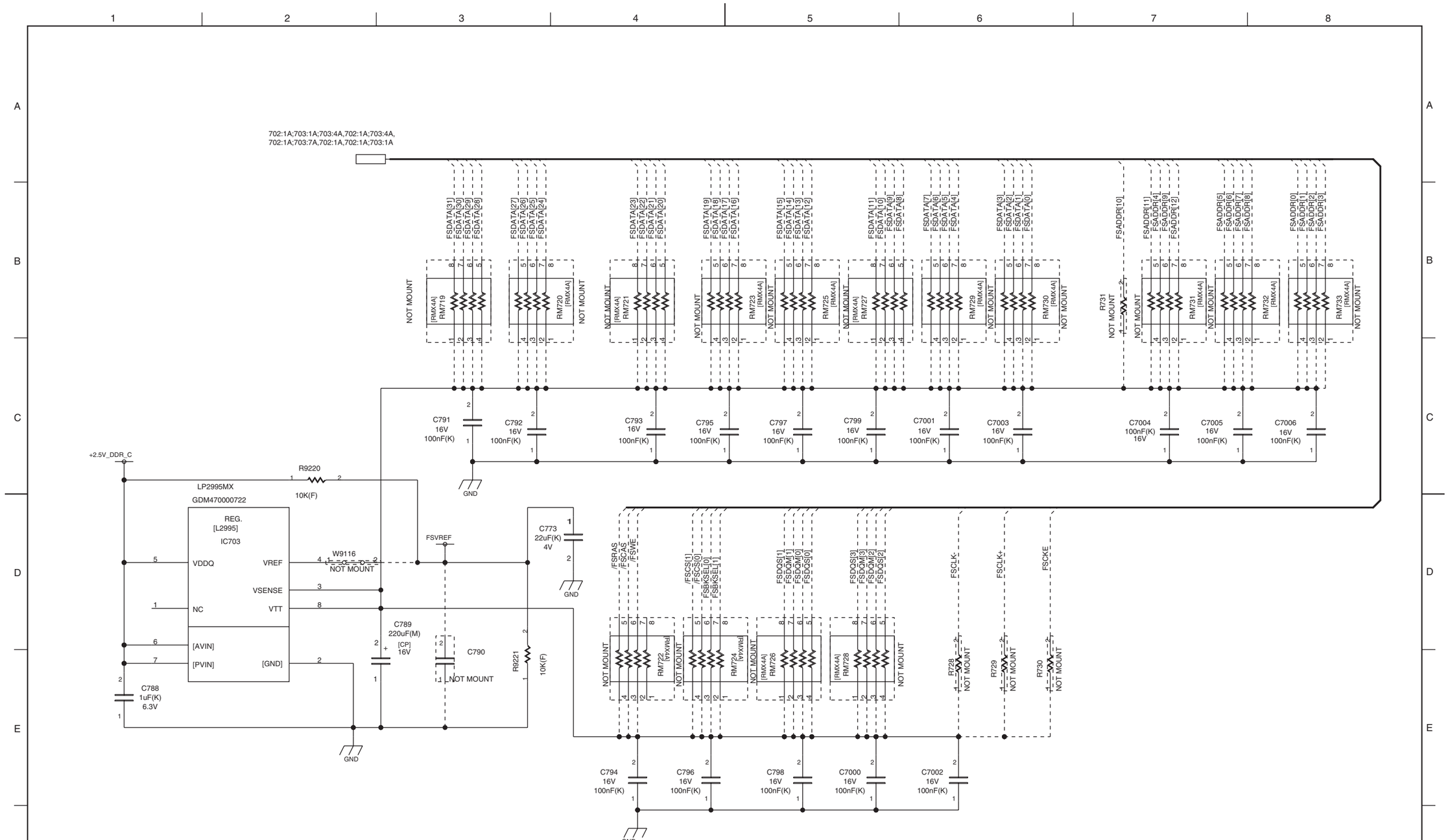
FSDATA[0],FSDATA[1],FSDATA[2],
FSDATA[3],FSDATA[4],FSDATA[5],
FSDATA[6],FSDATA[7],FSDATA[8],
FSDATA[9],FSDATA[10],FSDATA[11],
FSDATA[12],FSDATA[13],FSDATA[14],
FSDATA[15],FSDATA[16],FSDATA[17],
FSDATA[18],FSDATA[19],FSDATA[20],
FSDATA[21],FSDATA[22],FSDATA[23],
FSDATA[24],FSDATA[25],FSDATA[26],
FSDATA[27],FSDATA[28],FSDATA[29],
FSDATA[30],FSDATA[31],/FSCAS,
/FSCS[0],/FSCS[1],/FSRAS,/FSWE,
FSADDR[0],FSADDR[1],FSADDR[2],
FSADDR[3],FSADDR[4],FSADDR[5],
FSADDR[6],FSADDR[7],FSADDR[8],
FSADDR[9],FSADDR[10],FSADDR[11],
FSADDR[12],FSBKSEL[0],FSBKSEL[1],
FSCKE,FSCLK+,FSCLK-,
FSDQM[0],FSDQM[1],FSDQM[2],FSDQM[3],
FSDQS[0],FSDQS[1],FSDQS[2],FSDQS[3]



62HM95
SIGNAL (FLI8532 DDR I/F)

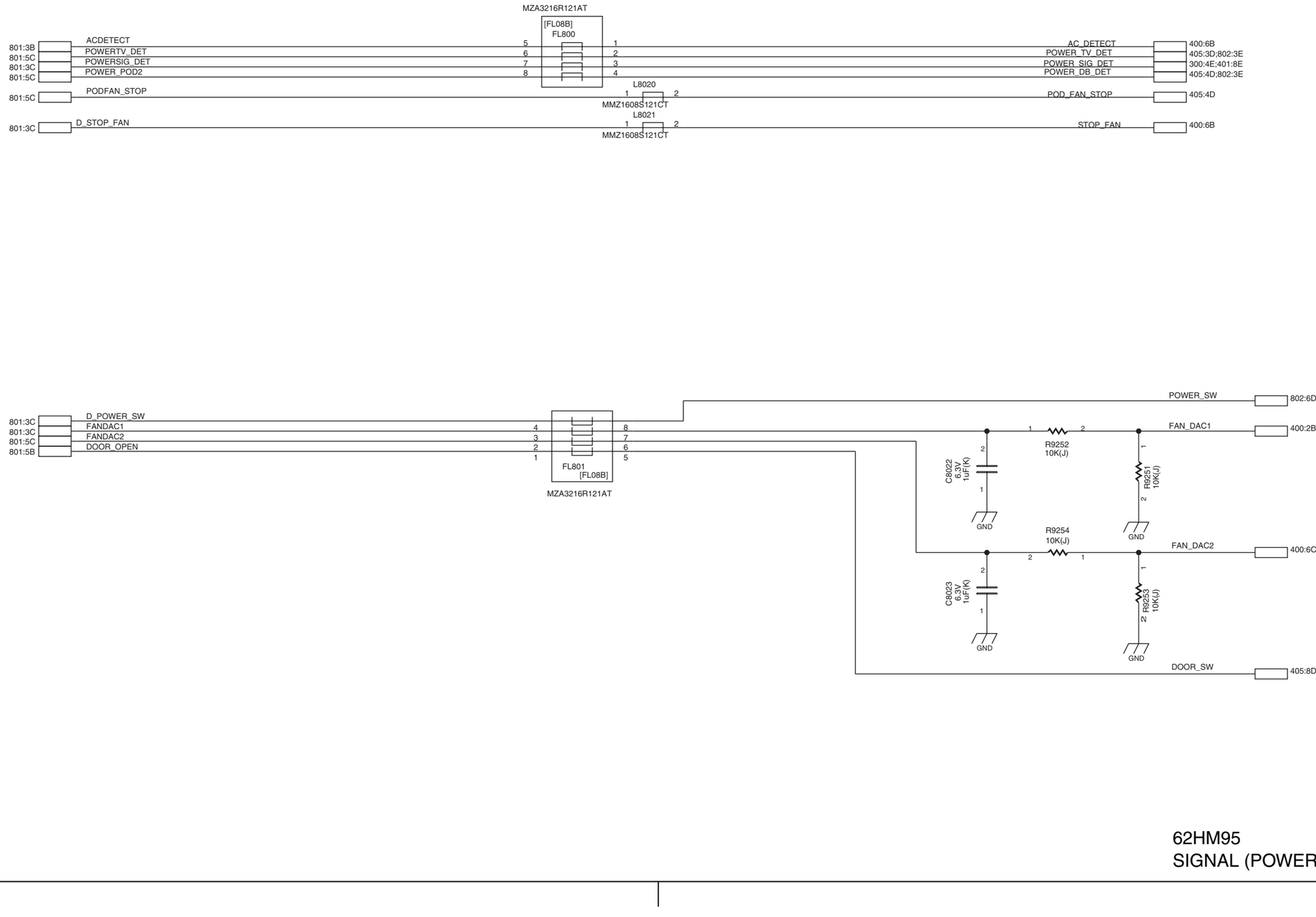
SH.NO.
702


702:1A;703:4A;704:3A,702:1A;704:3A
[MDSD8M16]
IC701
HY5DU281622ETP-5
GDM460001210
702:1A;703:1A;704:3A,
702:1A;704:3A
[MDSD8M16]
IC702
HY5DU281622ETP-5
GDM460001210
702:1A;704:3A
FSADDR[0]
FSADDR[1]
FSADDR[2]
FSADDR[3]
FSADDR[4]
FSADDR[5]
FSADDR[6]
FSADDR[7]
FSADDR[8]
FSADDR[9]
FSADDR[10]
FSADDR[11]
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10/AP
A11
FSBKSEL[1]
FSBKSEL[0]
BS1
BS0
FSCLK-
FSCLK+
CLK
FSCKE
CKE
R732
R733
NOT MOUNT
/FSCS[0]
/FSRAS
/FSCAS
/FSWE
CS
RAS
CAS
WE
R720
R721
R722
R723
R724
R725
R726
R727
33(J)
FSDQM[0]
FSDQM[1]
FSDQS[0]
FSDQS[1]
FSDQM[2]
FSDQM[3]
FSDQS[2]
FSDQS[3]
LDM
UDM
LDQS
UDQS
NC
FSADDR[12]
[VDDQ]
[VSSQ]
[VDD]
[VSS]
[VREF]
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
[RMX4A]
RM711
RM712
RM713
RM714
RM715
RM716
RM717
RM718
FSDATA[0]
FSDATA[1]
FSDATA[2]
FSDATA[3]
FSDATA[4]
FSDATA[5]
FSDATA[6]
FSDATA[7]
FSDATA[8]
FSDATA[9]
FSDATA[10]
FSDATA[11]
FSDATA[12]
FSDATA[13]
FSDATA[14]
FSDATA[15]
FSDATA[16]
FSDATA[17]
FSDATA[18]
FSDATA[19]
FSDATA[20]
FSDATA[21]
FSDATA[22]
FSDATA[23]
FSDATA[24]
FSDATA[25]
FSDATA[26]
FSDATA[27]
FSDATA[28]
FSDATA[29]
FSDATA[30]
FSDATA[31]
+2.5V_DDR_C
FSVREF
C774
C776
C778
C7987
C7991
C7982
C775
C777
C779
C7988
C7989
C7981
C780
C781
C783
C785
C7984
C7990
C7983
C782
C784
C786
C7985
C7992
C787
16V
50V
100nF(K)
10nF(K)
GND
62HM95
SIGNAL (DDR SDRAM)
SH.NO.
703



62HM95
SIGNAL (DDR TERMINATION)

SH.NO.
704



62HM95
SIGNAL (POWER I/F)

SH.NO.
800

51.MALIBU 3.3V
52.MALIBU 3.3V
53.GND
54.18V
55.GND
56.9V1
57.GND
58.ACDETECT
59.FANDAC1
60.STOP_FAN
61.POWERSIG_DET
62.POWER_SW
63.GND
64.GND
65.VCK
66.VD
67.D_SEINEY1
68.GND
69.D_SEINEY3
70.GND
71.D_SEINEY5
72.GND
73.D_SEINEY7
74.GND
75.D_SEINEC1
76.GND
77.D_SEINEC3
78.GND
79.D_SEINEC5
80.GND
81.D_SEINEC7
82.GND
83.NC(Debug_TXD)
84.GND
85.TXD
86.SDA_DIG
87.SCL_DIG
88.USB Boot
89.DB_RST
90.GND
91.GND
92.GND
93.R_DB
94.GND
95.L_BS
96.GND
97.R_MPG
98.GND
99.DIGITAL_V_IN
100.V_SIG_GND

1.MALIBU 3.3V
2.GND
3.GND
4.18V
5.GND
6.5V1
7.GND
8.DOOR_OPEN
9.FANDAC2
10.PODFAN_STOP
11.POWER_POD2
12.POWER_TV
13.GND
14.GND
15.HD
16.GND
17.D_SEINEY0
18.GND
19.D_SEINEY2
20.GND
21.D_SEINEY4
22.GND
23.D_SEINEY6
24.GND
25.D_SEINEC0
26.GND
27.D_SEINEC2
28.GND
29.D_SEINEC4
30.GND
31.D_SEINEC6
32.GND
33.NC(Debug_RXD)
34.GND
35.RXD
36.GND
37.HEAD
38.GND
39.SWupgrade
40.GND
41.GND
42.GND
43.L_DB
44.GND
45.R_BS
46.GND
47.L_MPG
48.GND
49.V_BS
50.V_BS_GND

PANEL TYPE 720P : NOT MOUNT

FL501
C5007,C5009,C5010

NOT MOUNT
[FL]
FL501

ML+3.3V

C5009 NOT MOUNT
C5010 [CP] NOT MOUNT
C5007 NOT MOUNT

GND

GDM220001539
1-5175474-0
[C100B2]
PJ610

800:1B ACDETECT
800:1D FANDAC1
800:1B D_STOP_FAN
800:1B POWERSIG_DET
800:1D D_POWER_SW

DOOR_OPEN 800:1D
FANDAC2 800:1D
PODFAN_STOP 800:1B
POWER_POD2 800:1B
POWERTV_DET 800:1B

301:3F D_SEINECLK
301:3E D_SEINEVS
301:3C D_SEINEY1
301:3C D_SEINEY3
301:3C D_SEINEY5
301:3C D_SEINEY7
301:3B D_SEINEC1
301:3B D_SEINEC3
301:3B D_SEINEC5
301:3B D_SEINEC7

D_SEINEHS 301:3F
D_SEINEY0 301:3C
D_SEINEY2 301:3C
D_SEINEY4 301:3C
D_SEINEY6 301:3C
D_SEINEC0 301:3B
D_SEINEC2 301:3B
D_SEINEC4 301:3B
D_SEINEC6 301:3B

301:3F D_BRXD
409:4D SDA_DIG NOT MOUNT R311
409:4C SCL_DIG NOT MOUNT R312

D_BTXD 301:3F
D_HEAD_DB 301:3F

601:1D R_DB
600:5D L_BS
601:8D R_MPEG

L_DB 601:1C
R_BS 600:5D
L_MPEG 601:8D

200:2B DIGITAL_V_IN 33(J) R2070
200:2B V_SIG_GND

2T
1T

L8032 BLM21PG220SN1D
L8031 BLM21PG220SN1D
L8030 BLM21PG220SN1D

18V 9V 5V1

C8004 25V 100nF(K)
C8005 16V 100nF(K)
C8006 16V 100nF(K)

GND

RM314 [RMX4A]
33(J)
HOST_RST 400:8B
SEINE_USB 300:4C
UPDATE 400:6B

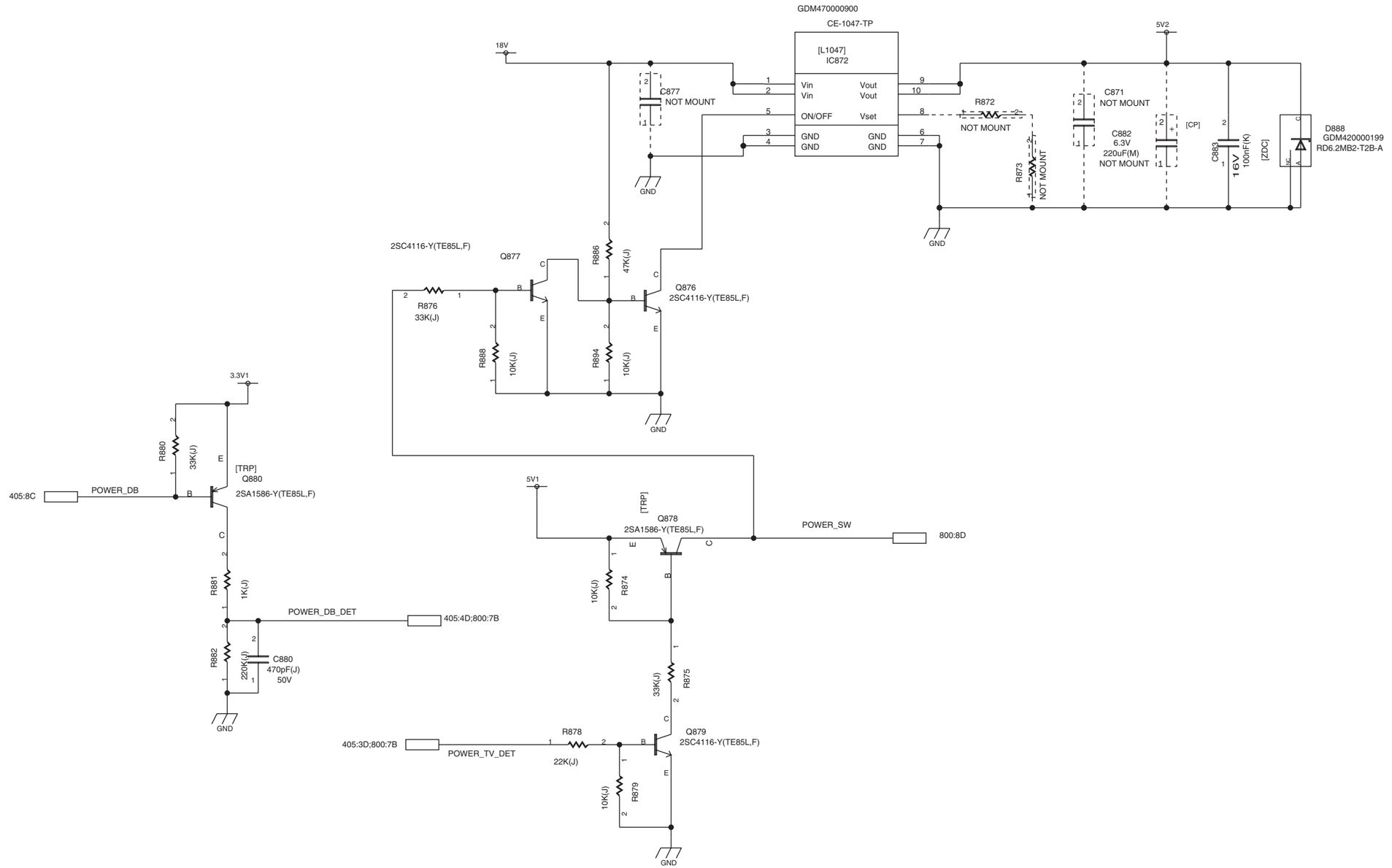
33(J) R2071
V_BS 200:2B
V_BS_GND 200:2B

W9117
0(X)

GND GND_A

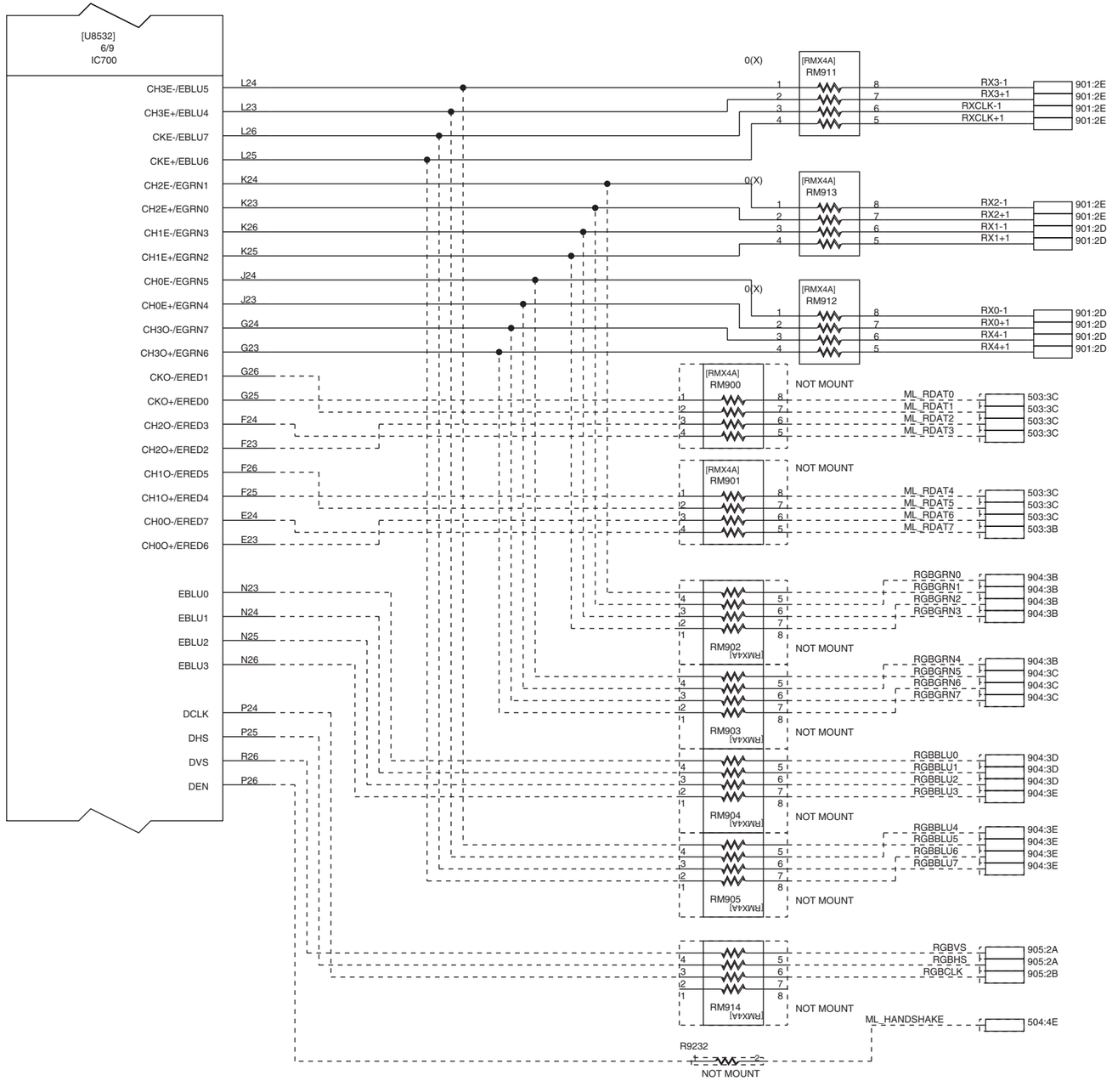
62HM95
SIGNAL (DIGITAL CONNECTOR)

SH.NO.
801



62HM95
SIGNAL (DC/DC_CONVERTER)

SH.NO.
802



PANEL TYPE 720P : MOUNT

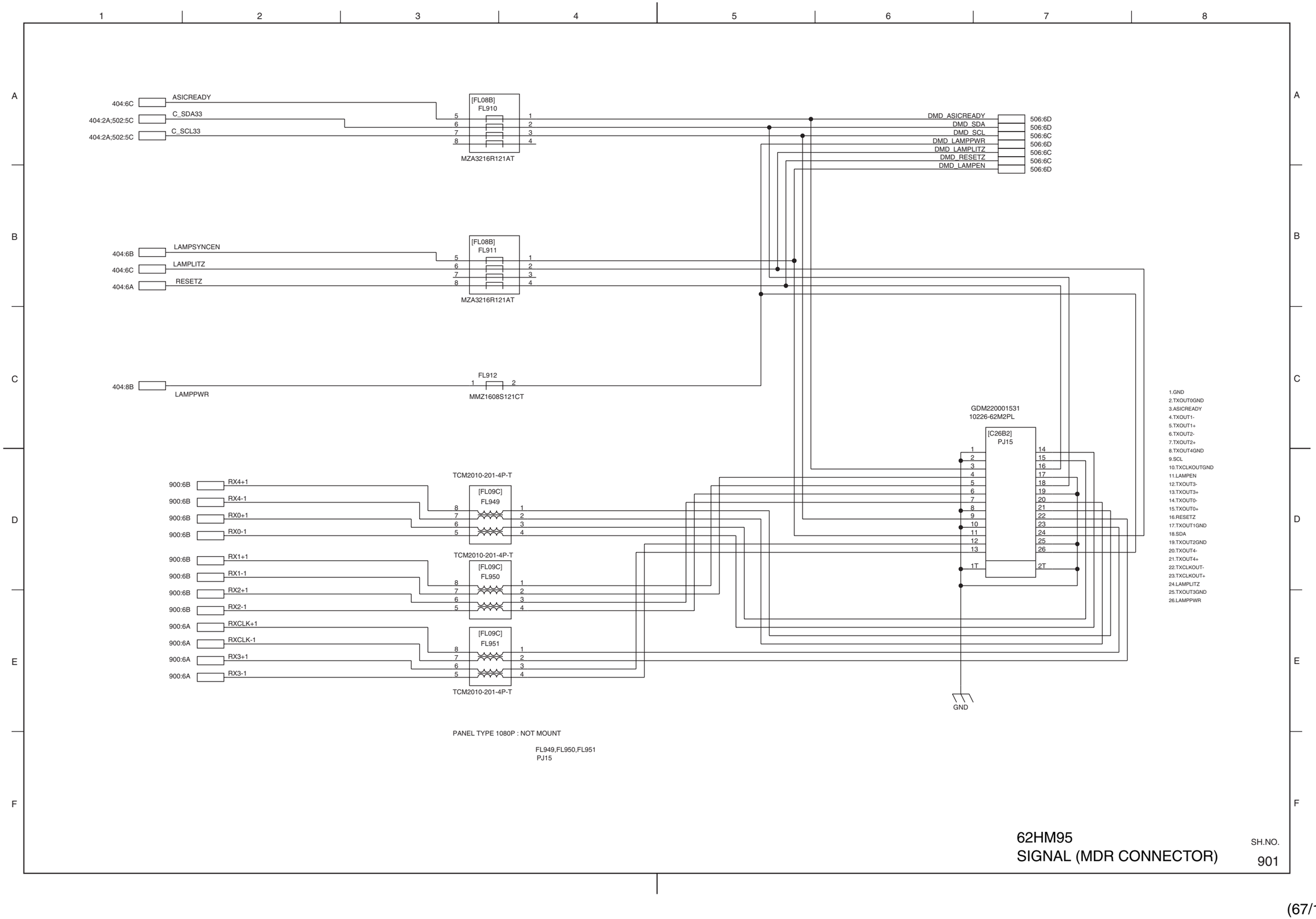
RM911 !A RM913

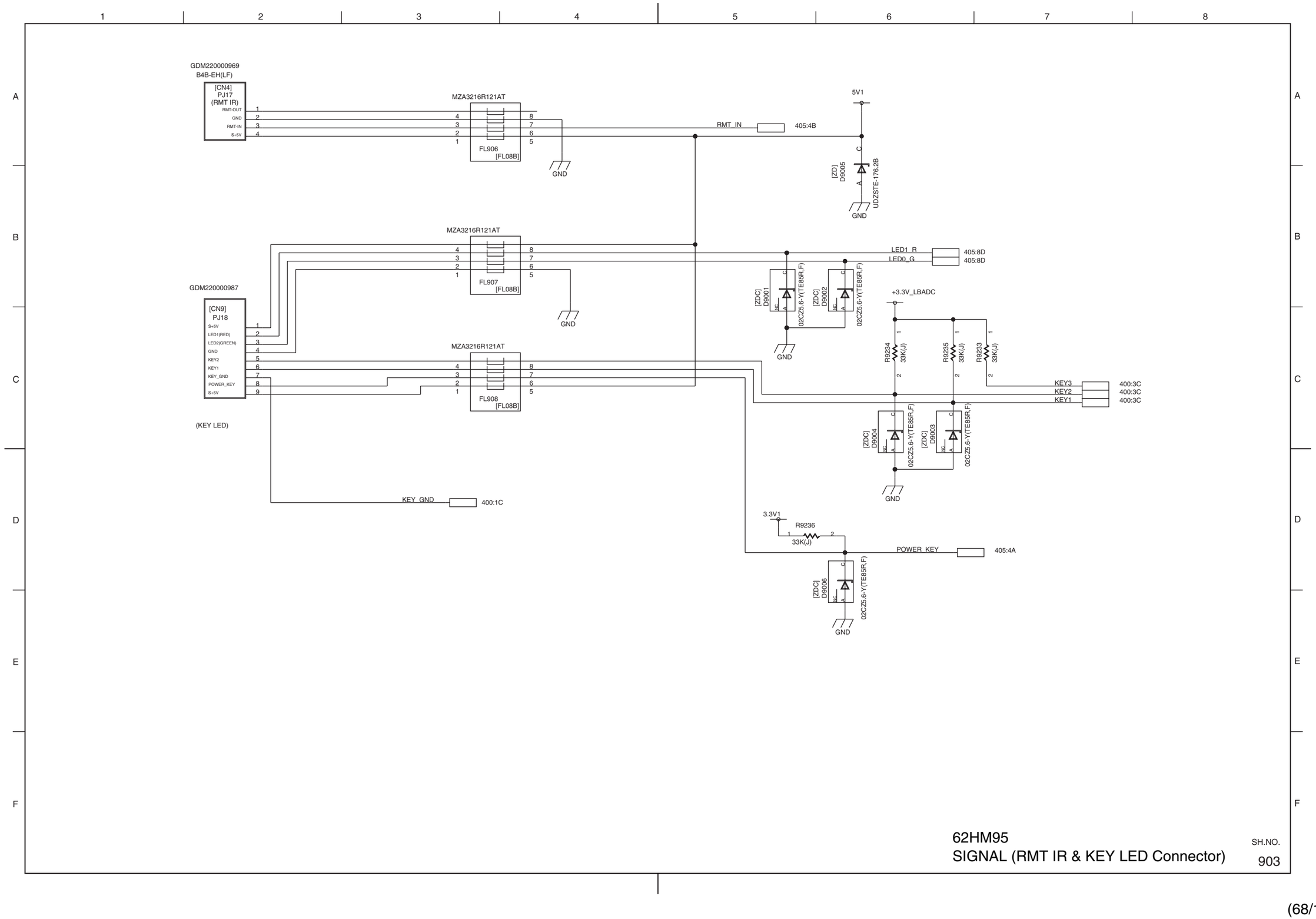
PANEL TYPE 1080P : MOUNT

RM900 !A RM905
RM914
R9232

62HM95
SIGNAL (FLI8532 LVDS_OUT)

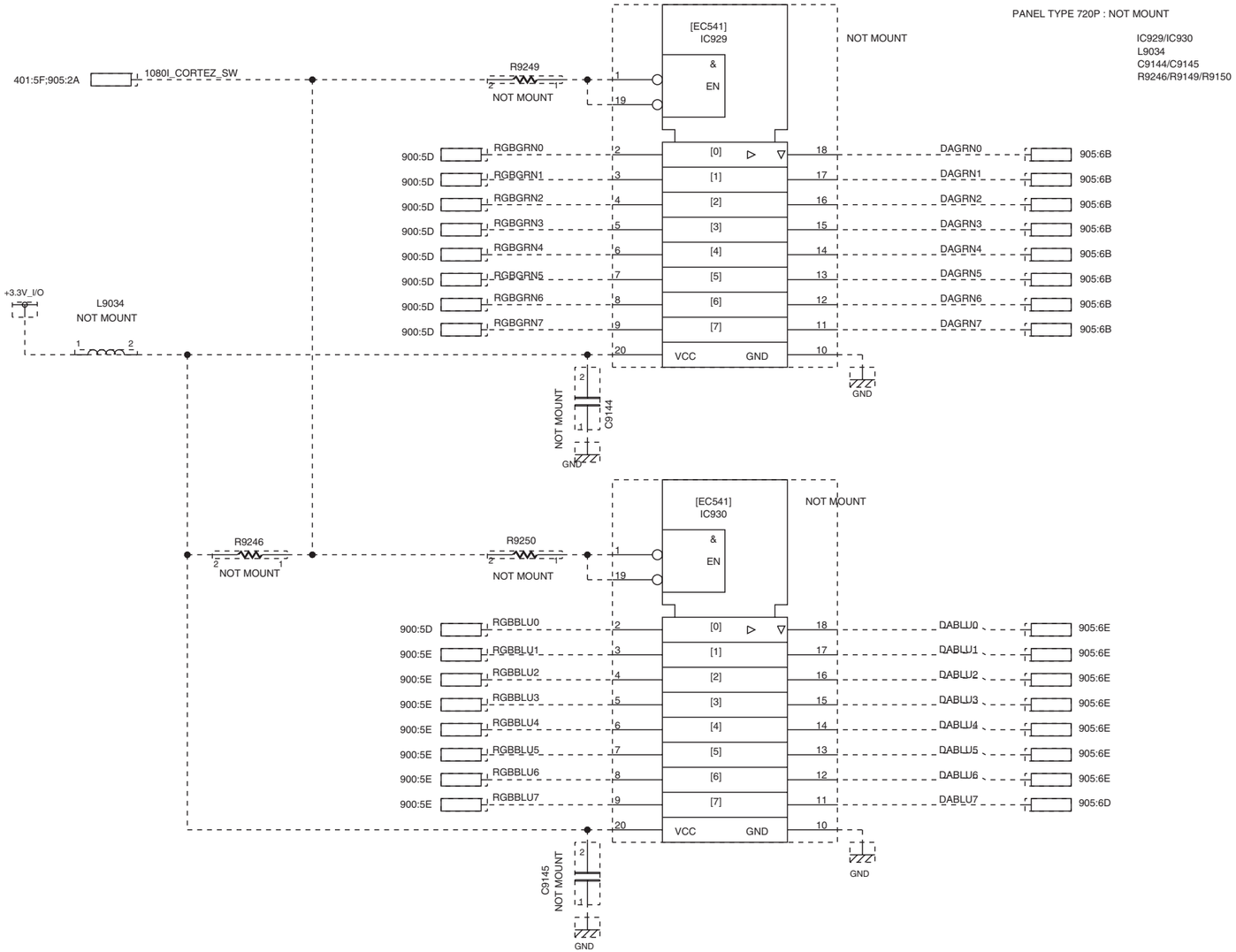
SH.NO.
900


1
2
3
4
5
6
7
8
A
B
C
D
E
F
404:6C
ASICREADY
404:2A;502:5C
C_SDA33
404:2A;502:5C
C_SCL33
[FL08B]
FL910
MZA3216R121AT
DMD_ASICREADY
DMD_SDA
DMD_SCL
DMD_LAMPPWR
DMD_LAMPLITZ
DMD_RESETZ
DMD_LAMPEN
506:6D
506:6D
506:6C
506:6D
506:6C
506:6C
506:6D
404:6B
LAMPSYNCEN
404:6C
LAMPLITZ
404:6A
RESETZ
[FL08B]
FL911
MZA3216R121AT
404:8B
LAMPPWR
FL912
MMZ1608S121CT
GDM220001531
10226-62M2PL
[C26B2]
PJ15
1T
2T
GND
1.GND
2.TXOUT0GND
3.ASICREADY
4.TXOUT1-
5.TXOUT1+
6.TXOUT2-
7.TXOUT2+
8.TXOUT4GND
9.SCL
10.TXCLKOUTGND
11.LAMPEN
12.TXOUT3-
13.TXOUT3+
14.TXOUT0-
15.TXOUT0+
16.RESETZ
17.TXOUT1GND
18.SDA
19.TXOUT2GND
20.TXOUT4-
21.TXOUT4+
22.TXCLKOUT-
23.TXCLKOUT+
24.LAMPLITZ
25.TXOUT3GND
26.LAMPPWR
900:6B
RX4+1
900:6B
RX4-1
900:6B
RX0+1
900:6B
RX0-1
TCM2010-201-4P-T
[FL09C]
FL949
900:6B
RX1+1
900:6B
RX1-1
900:6B
RX2+1
900:6B
RX2-1
TCM2010-201-4P-T
[FL09C]
FL950
900:6A
RXCLK+1
900:6A
RXCLK-1
900:6A
RX3+1
900:6A
RX3-1
TCM2010-201-4P-T
[FL09C]
FL951
PANEL TYPE 1080P : NOT MOUNT
FL949,FL950,FL951
PJ15
62HM95
SIGNAL (MDR CONNECTOR)
SH.NO.
901



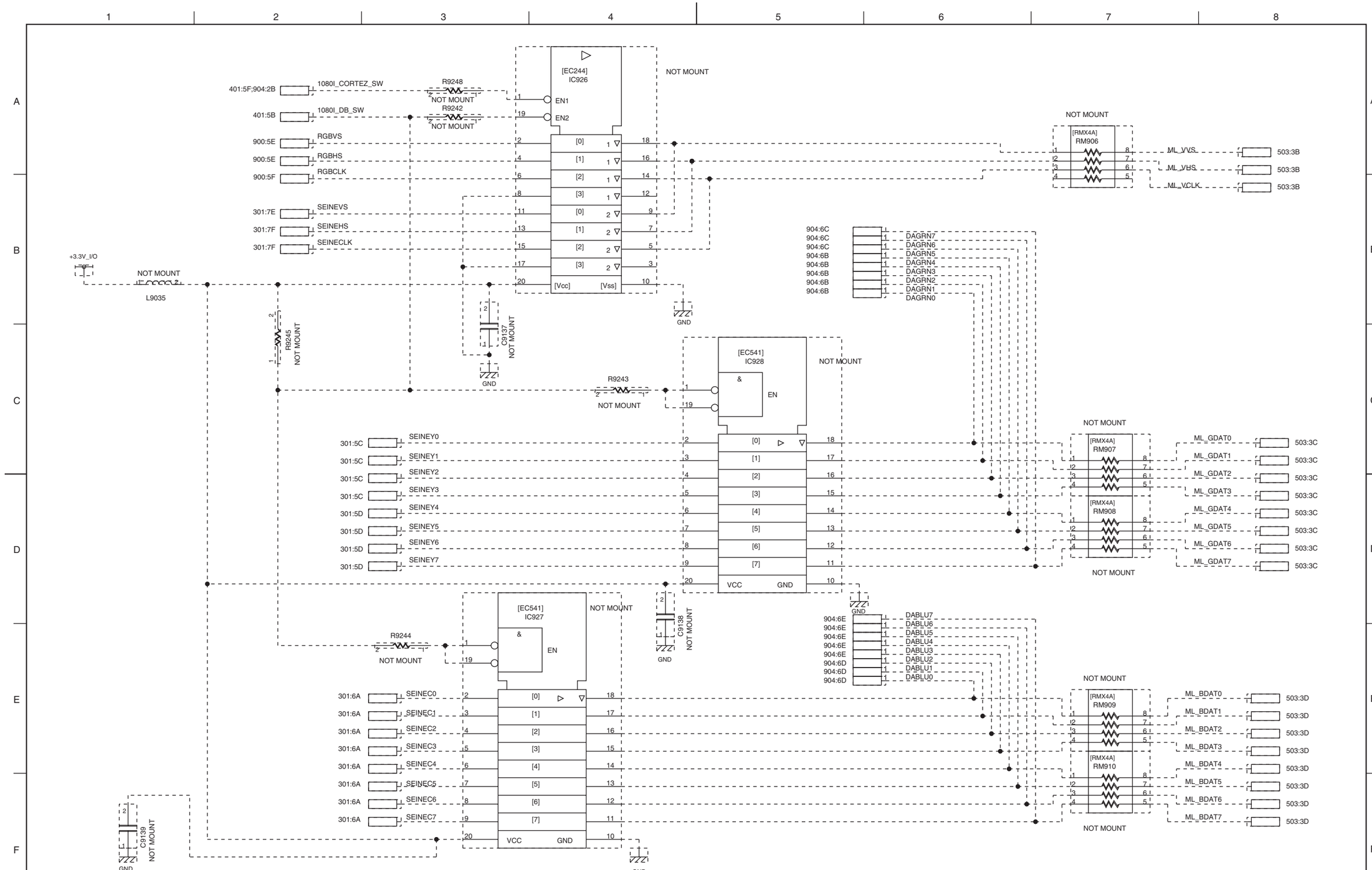
62HM95
SIGNAL (RMT IR & KEY LED Connector)

SH.NO.
903



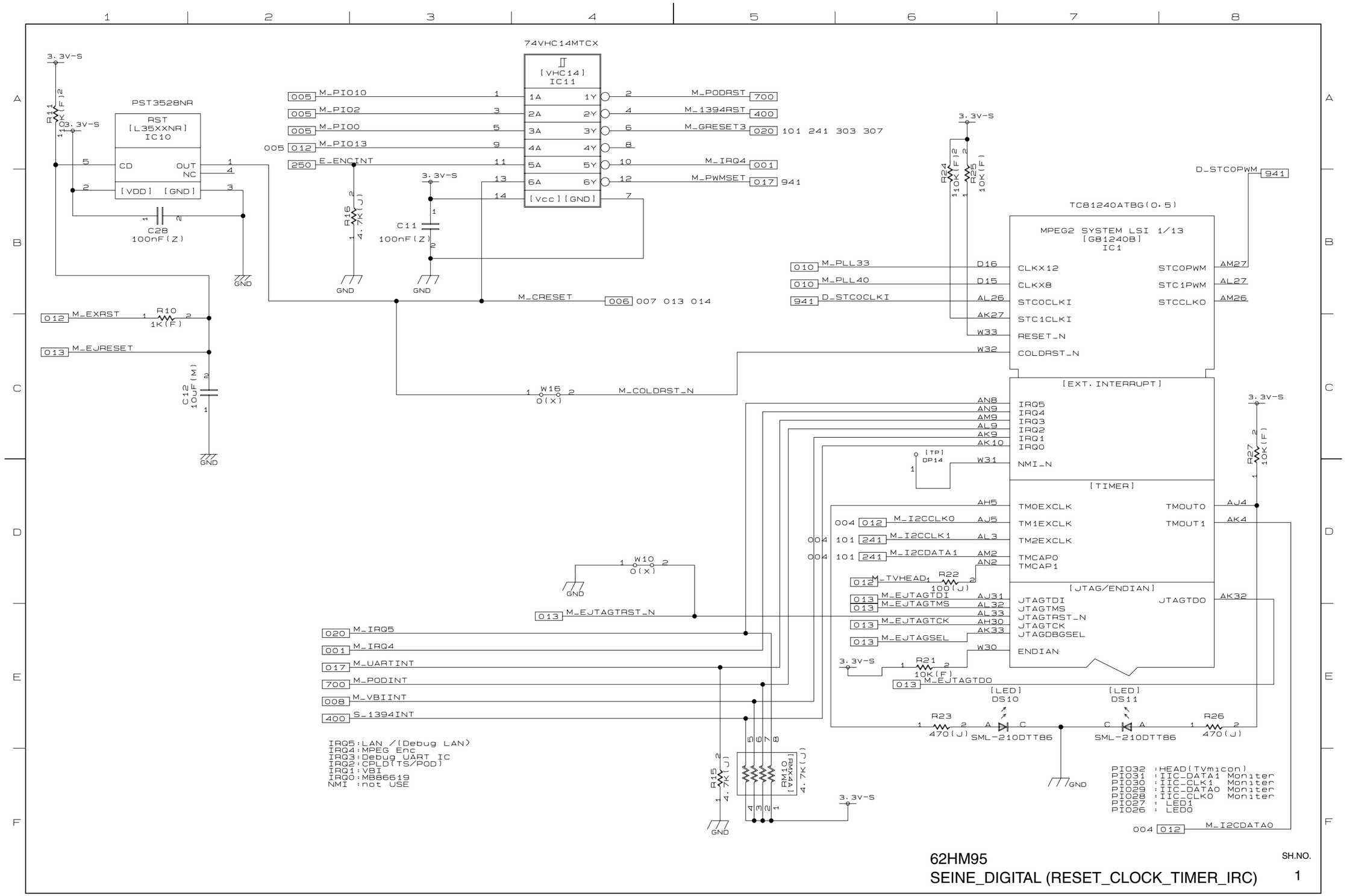
62HM95
SIGNAL (CORTEZ Selector)

SH.NO.
904



62HM95
SIGNAL (SEINE Selector)

SH.NO.
905


74VHC14MTCX
[VHC14]
IC11
PST3528NR
RST
[L35XXNR]
IC10
TC81240ATBG(0.5)
MPEG2 SYSTEM LSI 1/13
[G81240B]
IC1
[EXT. INTERRUPT]
[TIMER]
[JTAG/ENDIAN]
M_PIO10
M_PIO2
M_PIO0
M_PIO13
E_ENCINT
M_PODRST
M_1394RST
M_GRESET3
M_IRQ4
M_PWMSET
M_CRESET
M_EXRST
M_EJRESET
M_COLDRST_N
M_PLL33
M_PLL40
D_STCOCLKI
D_STCOPWM
M_I2CCLKO
M_I2CCLK1
M_I2CDATA1
M_TVHEAD
M_EJTAGTDI
M_EJTAGTMS
M_EJTAGTCK
M_EJTAGSEL
M_EJTAGTDO
M_EJTAGTRST_N
M_IRQ5
M_IRQ4
M_UARTINT
M_PODINT
M_VBIINT
S_1394INT
IRQ5:LAN /(Debug LAN)
IRQ4:MPEG Enc
IRQ3:Debug UART IC
IRQ2:CPLD(TS/POD)
IRQ1:VBI
IRQ0:MB86619
NMI :not USE
PIO32 :HEAD(TVmicon)
PIO31 :IIC_DATA1 Moniter
PIO30 :IIC_CLK1 Moniter
PIO29 :IIC_DATA0 Moniter
PIO28 :IIC_CLK0 Moniter
PIO27 : LED1
PIO26 : LED0
SML-210DTT86
SML-210DTT86
62HM95
SEINE_DIGITAL (RESET_CLOCK_TIMER_IRC)
SH.NO.
1

TC81240ATBG(0.5)

MPEG2 SYSTEM LSI 4/13
[G81240B]
IC1

[SLOW-BUS]

SBDAT15 SBDAT14 SBDAT13 SBDAT12 SBDAT11 SBDAT10 SBDAT9 SBDAT8 SBDAT7 SBDAT6 SBDAT5 SBDAT4 SBDAT3 SBDAT2 SBDAT1 SBDAT0

SBACK_N R30

SBADD25 A32 M_SBAI25
SBADD24 B33 M_SBAI24
SBADD23 B32 M_SBAI23
SBADD22 B31 M_SBAI22
SBADD21 C30 M_SBAI21
SBADD20 C31 M_SBAI20
SBADD19 C32 M_SBAI19
SBADD18 C33 M_SBAI18
SBADD17 D33 M_SBAI17
SBADD16 D32 M_SBAI16
SBADD15 D31 M_SBAI15
SBADD14 D30 M_SBAI14
SBADD13 E29 M_SBAI13
SBADD12 E30 M_SBAI12
SBADD11 E31 M_SBAI11
SBADD10 E32 M_SBAI10
SBADD9 E33 M_SBAI9
SBADD8 F33 M_SBAI8
SBADD7 F32 M_SBAI7
SBADD6 F31 M_SBAI6
SBADD5 F30 M_SBAI5
SBADD4 F29 M_SBAI4
SBADD3 G30 M_SBAI3
SBADD2 G31 M_SBAI2
SBADD1 G32 M_SBAI1

SBWE_N A31 M_SBWE-1
SBOE_N L33 M_SBOE-1

SBCE7_N M33 M_SBCE7-1
SBCE6_N M32 M_SBCE6-1
SBCE5_N M31 M_SBCE5-1
SBCE4_N M30 M_SBCE4-1
SBCE3_N N30 M_SBCE3-1
SBCE2_N N31 M_SBCE2-1
SBCE1_N N32 M_SBCE1-1
SBCE0_N N33 M_SBCE0-1

SBBE1_N P32 M_SBBE1-1
SBBE0_N P33 M_SBBE0-1

SBCLK1 P31 M_SBCLK1-1
SBCLK0 P30 M_SBCLK0-1

M_SBDI15 G33
M_SBDI14 H33
M_SBDI13 H32
M_SBDI12 H31
M_SBDI11 H30
M_SBDI10 J30
M_SBDI9 J31
M_SBDI8 J32
M_SBDI7 J33
M_SBDI6 K33
M_SBDI5 K32
M_SBDI4 K31
M_SBDI3 K30
M_SBDI2 L30
M_SBDI1 L31
M_SBDI0 L32

RM15 [RMX4A] 33(J)
006 007 250 400 701 M_SBD15 8 — 1 M_SBDI15
006 007 250 400 701 M_SBD14 7 — 2 M_SBDI14
006 007 250 400 701 M_SBD13 6 — 3 M_SBDI13
006 007 250 400 701 M_SBD12 5 — 4 M_SBDI12

RM16 [RMX4A] 33(J)
006 007 250 400 701 M_SBD11 8 — 1 M_SBDI11
006 007 250 400 701 M_SBD10 7 — 2 M_SBDI10
006 007 250 400 701 M_SBD9 6 — 3 M_SBDI9
006 007 250 400 701 M_SBD8 5 — 4 M_SBDI8

RM17 [RMX4A] 33(J)
006 007 017 400 701 M_SBD7 8 — 1 M_SBDI7
006 007 017 400 701 M_SBD6 7 — 2 M_SBDI6
006 007 017 400 701 M_SBD5 6 — 3 M_SBDI5
006 007 017 400 701 M_SBD4 5 — 4 M_SBDI4

RM18 [RMX4A] 33(J)
006 007 017 400 701 M_SBD3 8 — 1 M_SBDI3
006 007 017 400 701 M_SBD2 7 — 2 M_SBDI2
006 007 017 400 701 M_SBD1 6 — 3 M_SBDI1
006 007 017 400 701 M_SBD0 5 — 4 M_SBDI0

3.3V-S

RM11 [RMX4A] 4.7K(J)
4 5 M_SBDI12
3 6 M_SBDI13
2 7 M_SBDI14
1 8 M_SBDI15

RM12 [RMX4A] 4.7K(J)
4 5 M_SBDI8
3 6 M_SBDI9
2 7 M_SBDI10
1 8 M_SBDI11

RM13 [RMX4A] 4.7K(J)
4 5 M_SBDI4
3 6 M_SBDI5
2 7 M_SBDI6
1 8 M_SBDI7

RM14 [RMX4A] 4.7K(J)
4 5 M_SBDI0
3 6 M_SBDI1
2 7 M_SBDI2
1 8 M_SBDI3

3.3V-S
R29 4.7K(J)
700 M_SBACK R20 22(J)

M_SBCE0-1
M_SBCE1-1
M_SBCE3-1
M_SBCE2-1
RM27 [RMX4A] 47(J)
M_BROMCE 006
M_EXTROMCE 007
M_SBCE3 400
M_SBCE2 700
for IC19(FlashROM). IC20(MaskROM)
for IC18(M-SYSTEM)

M_SBAI25 003
M_SBAI24 003
M_SBAI23 003
M_SBAI22 003
M_SBAI21 003
M_SBAI20 003
M_SBAI19 003
M_SBAI18 003
M_SBAI17 003
M_SBAI16 003
M_SBAI15 003
M_SBAI14 003
M_SBAI13 003
M_SBAI12 003
M_SBAI11 003
M_SBAI9 003
M_SBAI8 003
M_SBAI7 003
M_SBAI6 003
M_SBAI5 003
M_SBAI4 003
M_SBAI3 003
M_SBAI2 003
M_SBAI1 003

RM48 [RMX4A] 47(J)
M_SBOE4 700 for IC255
M_SBOE2 400 for IC401.IC140
M_SBOE3 017 700
M_SBOE1 006 007 for IC19. IC20

RM49 [RMX4A] 47(J)
M_SBWE2 400 for IC401.IC140
M_SBWE4 700 for IC255
M_SBWE3 017 700
M_SBWE1 006 007 for IC19. IC20

3.3V-S
R39 1M(J)
R40 1M(J)

& [7W08] IC15
M_SBOE-1 — [1]
M_SBWE-1 — [2]
3.3V-S
[VCC][VSS]
TC7W08FK(TE85L.F)
C17 100nF(Z)
GND

[TP] DP18 M_SBCE4-1
[TP] DP13 M_SBCE5-1
[TP] DP17 M_SBCLK1-1

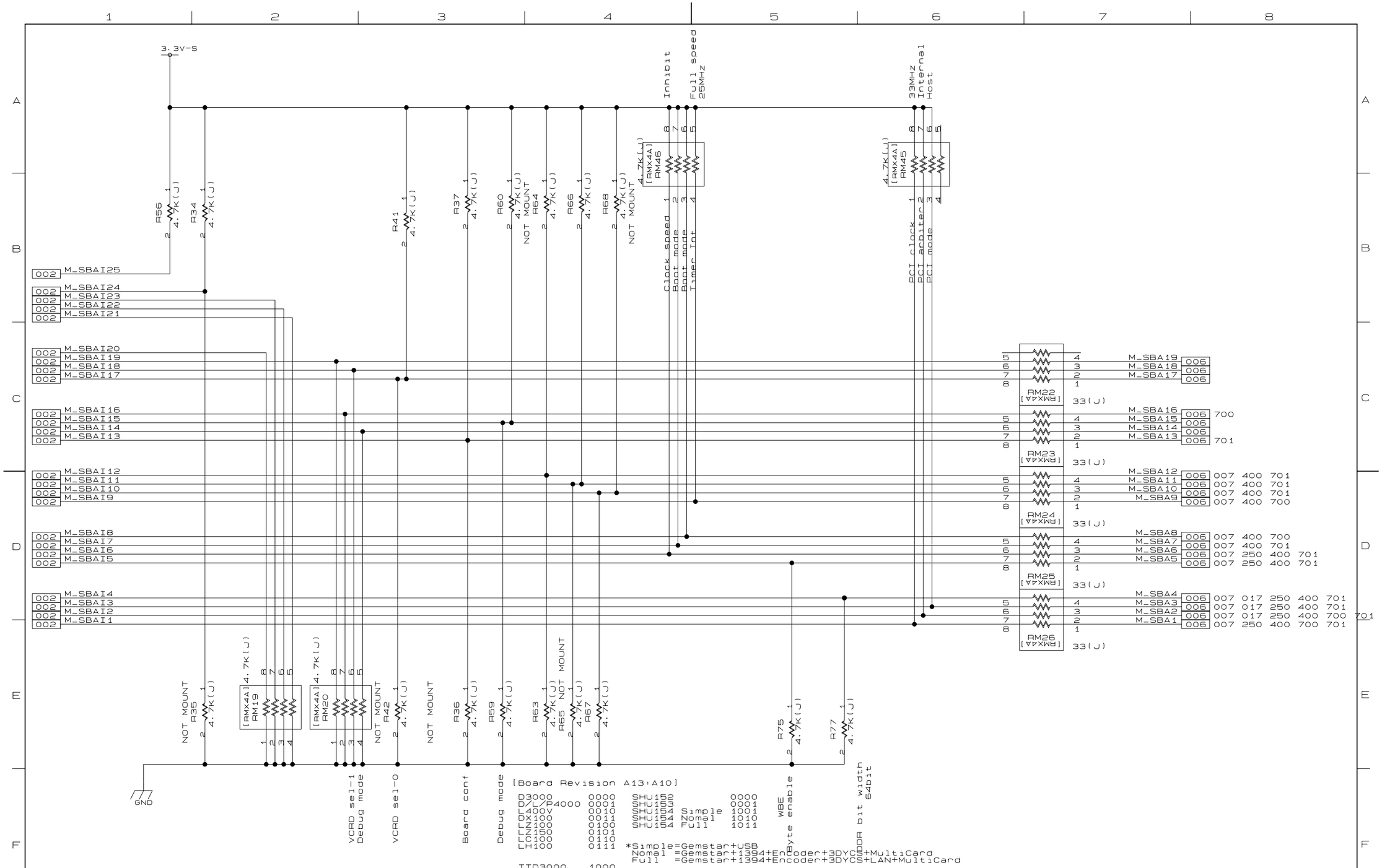
M_SBBE1-1
M_SBBE0-1
M_SBCE6-1
M_SBCE7-1
RM47 [RMX4A] 47(J)
M_SBBE1 700
M_SBBE0 700
M_SBCE6 700
M_SBCE7 017

M_SBCLK0-1 R38 47(J) M_SBCLK0 700

CE0:Boot FLASH
CE1:M-SYSTEM
CE2:uPD61051GD
CE3:MB86619
CE4: N/A
CE5: N/A
CE6:POD PLD
CE7:UART

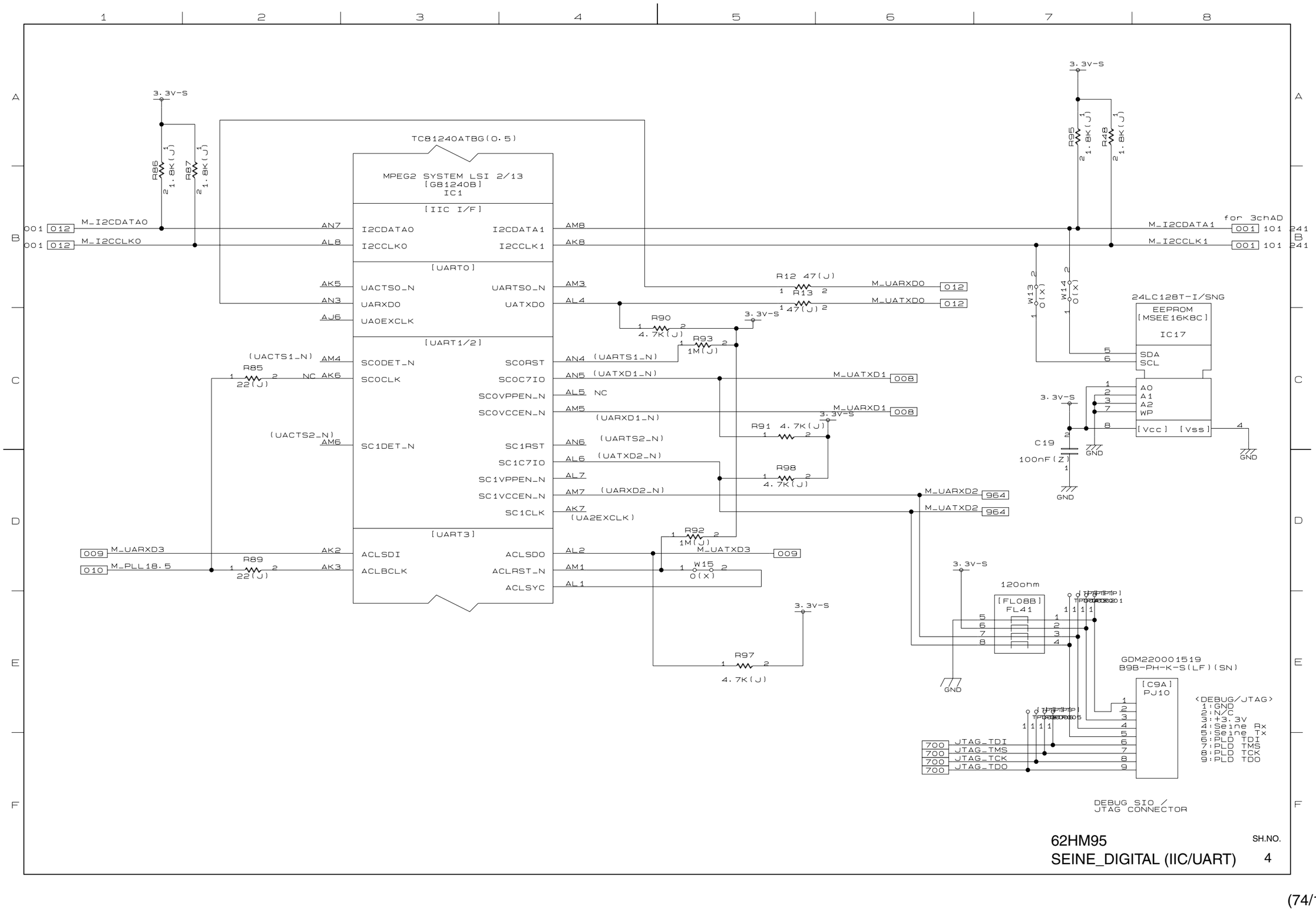
62HM95
SEINE_DIGITAL (SLOW_BUS)

SH.NO. 2



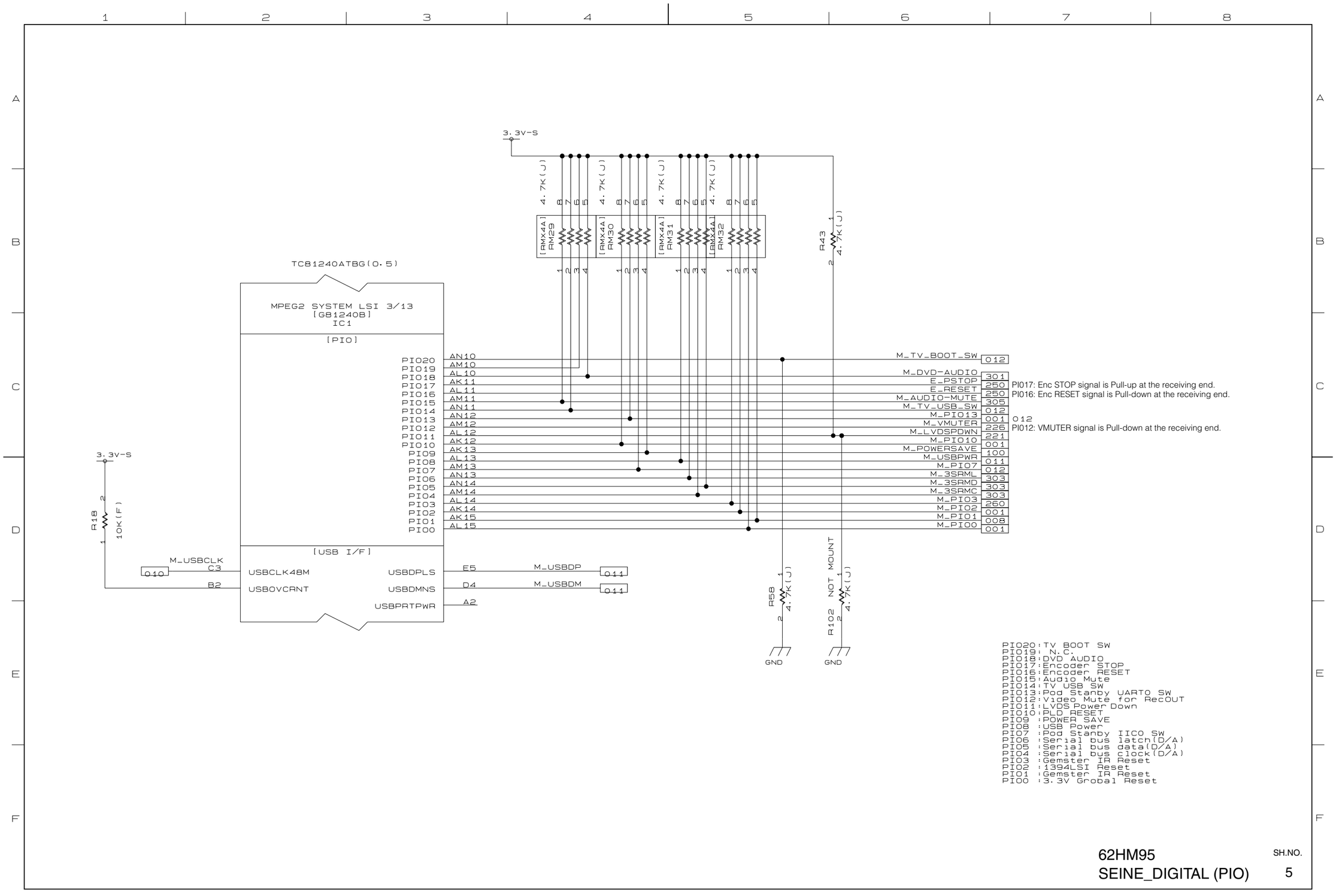
62HM95
SEINE_DIGITAL (SLOW_BUS_ADDRESS_REGISTER)

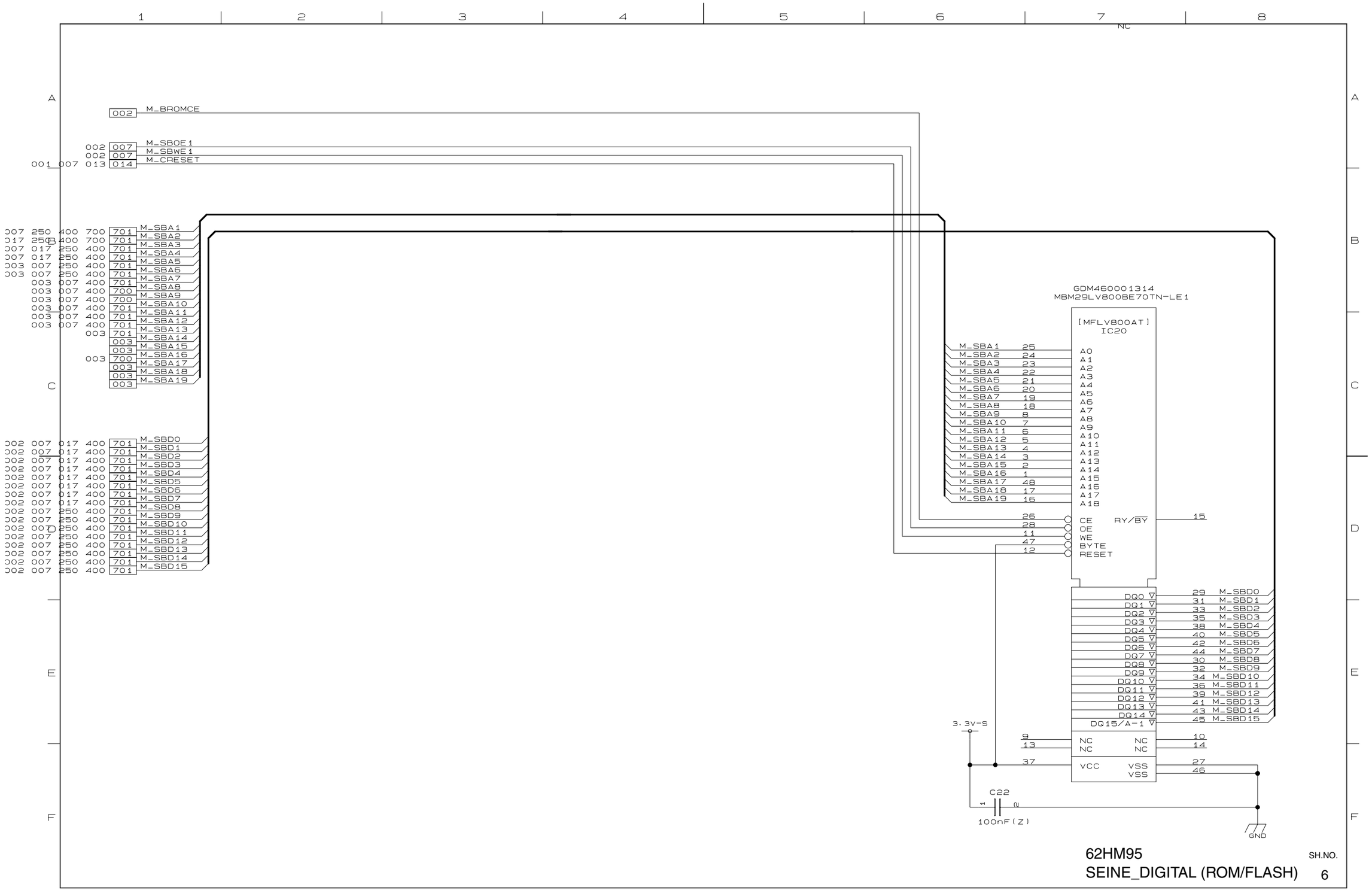
SH.NO. 3

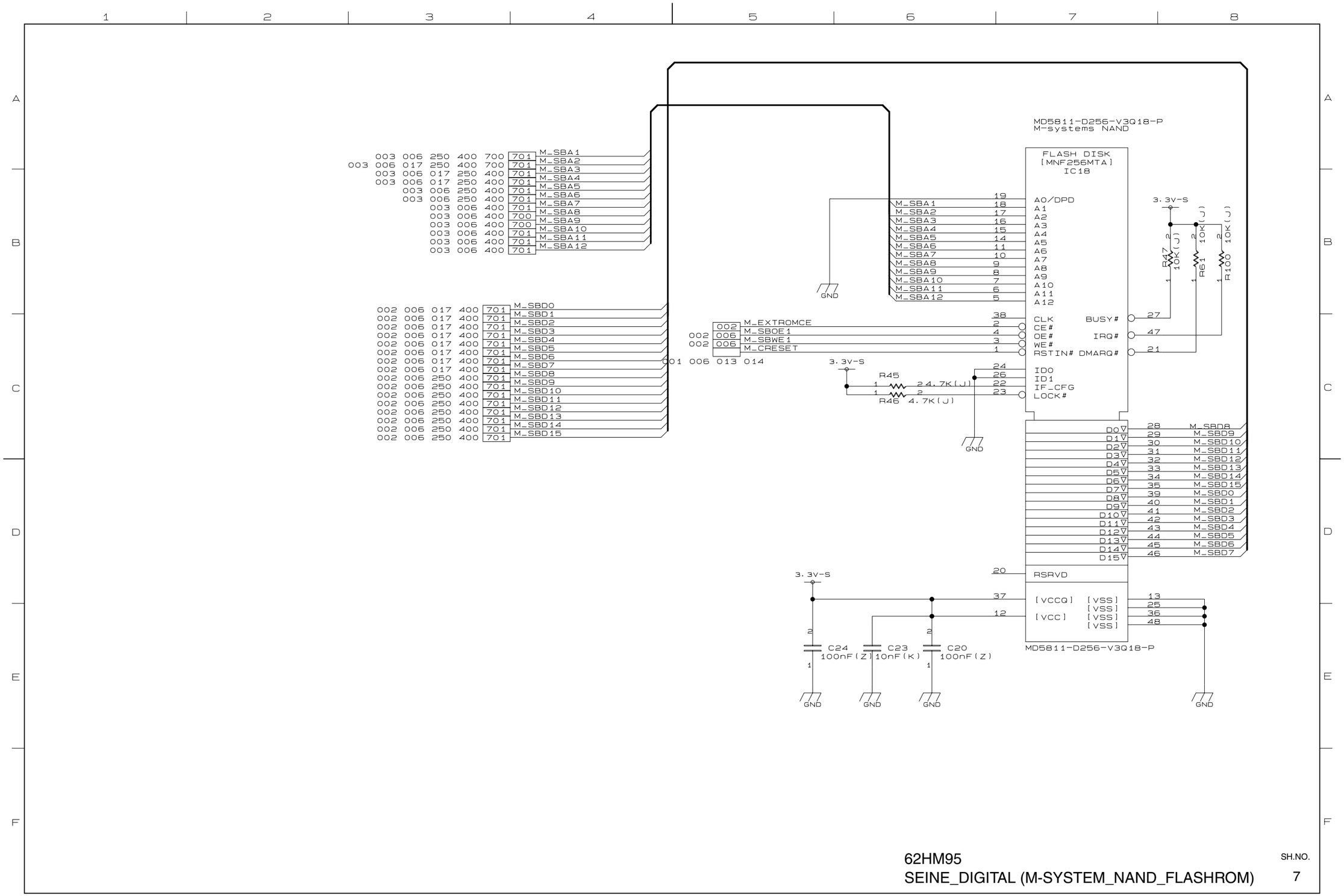


62HM95
SEINE_DIGITAL (IIC/UART)

SH.NO. 4

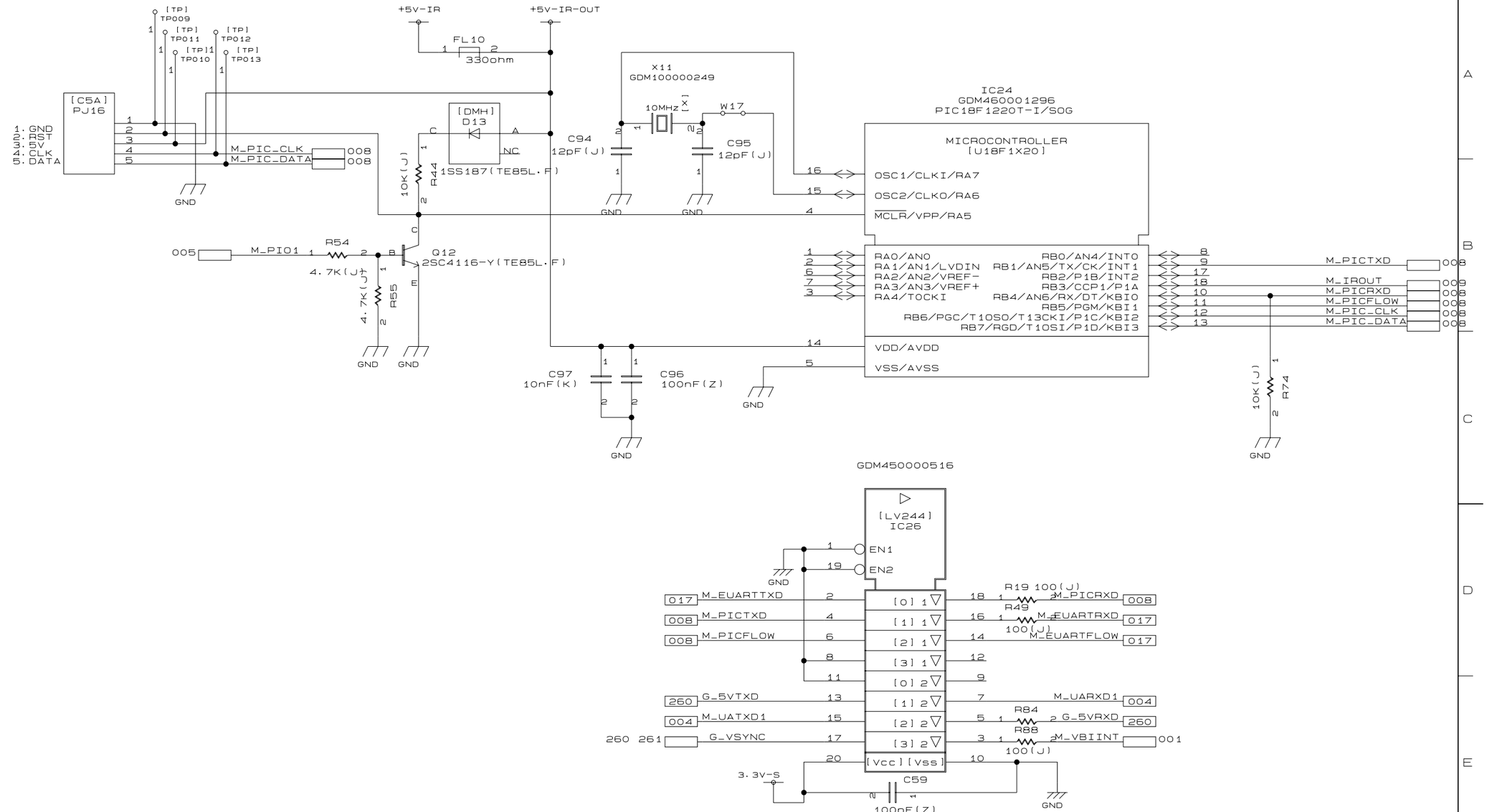

3.3V-S
4.7K(J)
RMX4A1 RM29
RMX4A1 RM30
RMX4A1 RM31
RMX4A1 RM32
R43
4.7K(J)
TC81240ATBG(0.5)
MPEG2 SYSTEM LSI 3/13
[G81240B]
IC1
[PIO]
PIO20 AN10
PIO19 AM10
PIO18 AL10
PIO17 AK11
PIO16 AL11
PIO15 AM11
PIO14 AN11
PIO13 AN12
PIO12 AM12
PIO11 AL12
PIO10 AK12
PIO09 AK13
PIO08 AL13
PIO07 AM13
PIO06 AN13
PIO05 AN14
PIO04 AM14
PIO03 AL14
PIO02 AK14
PIO01 AK15
PIO00 AL15
M_TV_BOOT_SW 012
M_DVD-AUDIO 301
E_PSTOP 250
E_RESET 250
M_AUDIO-MUTE 305
M_TV_USB_SW 012
M_PIO13 001
M_VMUTER 226
M_LVDSPDWN 221
M_PIO10 001
M_POWERSAVE 100
M_USBPWR 011
M_PIO7 012
M_3SRML 303
M_3SRMD 303
M_3SRMC 303
M_PIO3 260
M_PIO2 001
M_PIO1 008
M_PIO0 001
PI017: Enc STOP signal is Pull-up at the receiving end.
PI016: Enc RESET signal is Pull-down at the receiving end.
O12
PI012: VMUTER signal is Pull-down at the receiving end.
3.3V-S
R18
10K(F)
[USB I/F]
M_USBCLK
C3
010
USBCLK48M
B2
USB0VCRNT
USBDPLS
E5
M_USBDP
011
USBDMNS
D4
M_USBDM
011
USBPRTPWR
A2
R58
4.7K(J)
R102
NOT MOUNT
4.7K(J)
GND
GND
PIO20:TV BOOT SW
PIO19: N.C.
PIO18:DVD AUDIO
PIO17:Encoder STOP
PIO16:Encoder RESET
PIO15:Audio Mute
PIO14:TV USB SW
PIO13:Pod Stanby UARTO SW
PIO12:Video Mute for RecOUT
PIO11:LVDS Power Down
PIO10:PLD RESET
PIO09 :POWER SAVE
PIO08 :USB Power
PIO07 :Pod Stanby IICO SW
PIO06 :Serial bus latch(D/A)
PIO05 :Serial bus data(D/A)
PIO04 :Serial bus clock(D/A)
PIO03 :Gemster IR Reset
PIO02 :1394LSI Reset
PIO01 :Gemster IR Reset
PIO00 :3.3V Grobal Reset
62HM95
SEINE_DIGITAL (PIO)
SH.NO.
5


NC
002 M_BROMCE
002 007 M_SBOE1
002 007 M_SBWE1
001 007 013 014 M_CRESET
007 250 400 700 701 M_SBA1
017 250 400 700 701 M_SBA2
007 017 250 400 701 M_SBA3
007 017 250 400 701 M_SBA4
007 017 250 400 701 M_SBA5
003 007 250 400 701 M_SBA6
003 007 250 400 701 M_SBA7
003 007 400 701 M_SBA8
003 007 400 700 M_SBA9
003 007 400 700 M_SBA10
003 007 400 701 M_SBA11
003 007 400 701 M_SBA12
003 007 400 701 M_SBA13
003 701 M_SBA14
003 M_SBA15
003 M_SBA16
003 700 M_SBA17
003 M_SBA18
003 M_SBA19
002 007 017 400 701 M_SBD0
002 007 017 400 701 M_SBD1
002 007 017 400 701 M_SBD2
002 007 017 400 701 M_SBD3
002 007 017 400 701 M_SBD4
002 007 017 400 701 M_SBD5
002 007 017 400 701 M_SBD6
002 007 017 400 701 M_SBD7
002 007 017 400 701 M_SBD8
002 007 250 400 701 M_SBD9
002 007 250 400 701 M_SBD10
002 007 250 400 701 M_SBD11
002 007 250 400 701 M_SBD12
002 007 250 400 701 M_SBD13
002 007 250 400 701 M_SBD14
002 007 250 400 701 M_SBD15
GDM460001314
MBM29LV800BE70TN-LE1
[MFLV800AT]
IC20
M_SBA1 25 A0
M_SBA2 24 A1
M_SBA3 23 A2
M_SBA4 22 A3
M_SBA5 21 A4
M_SBA6 20 A5
M_SBA7 19 A6
M_SBA8 18 A7
M_SBA9 8 A8
M_SBA10 7 A9
M_SBA11 6 A10
M_SBA12 5 A11
M_SBA13 4 A12
M_SBA14 3 A13
M_SBA15 2 A14
M_SBA16 1 A15
M_SBA17 48 A16
M_SBA18 17 A17
M_SBA19 16 A18
26 CE
28 OE
11 WE
47 BYTE
12 RESET
RY/BY 15
DQ0 29 M_SBD0
DQ1 31 M_SBD1
DQ2 33 M_SBD2
DQ3 35 M_SBD3
DQ4 38 M_SBD4
DQ5 40 M_SBD5
DQ6 42 M_SBD6
DQ7 44 M_SBD7
DQ8 30 M_SBD8
DQ9 32 M_SBD9
DQ10 34 M_SBD10
DQ11 36 M_SBD11
DQ12 39 M_SBD12
DQ13 41 M_SBD13
DQ14 43 M_SBD14
DQ15/A-1 45 M_SBD15
3.3V-S
9 NC
13 NC
NC 10
NC 14
37 VCC
VSS 27
VSS 46
C22
1
2
100nF(Z)
GND
62HM95
SEINE_DIGITAL (ROM/FLASH)
SH.NO.
6



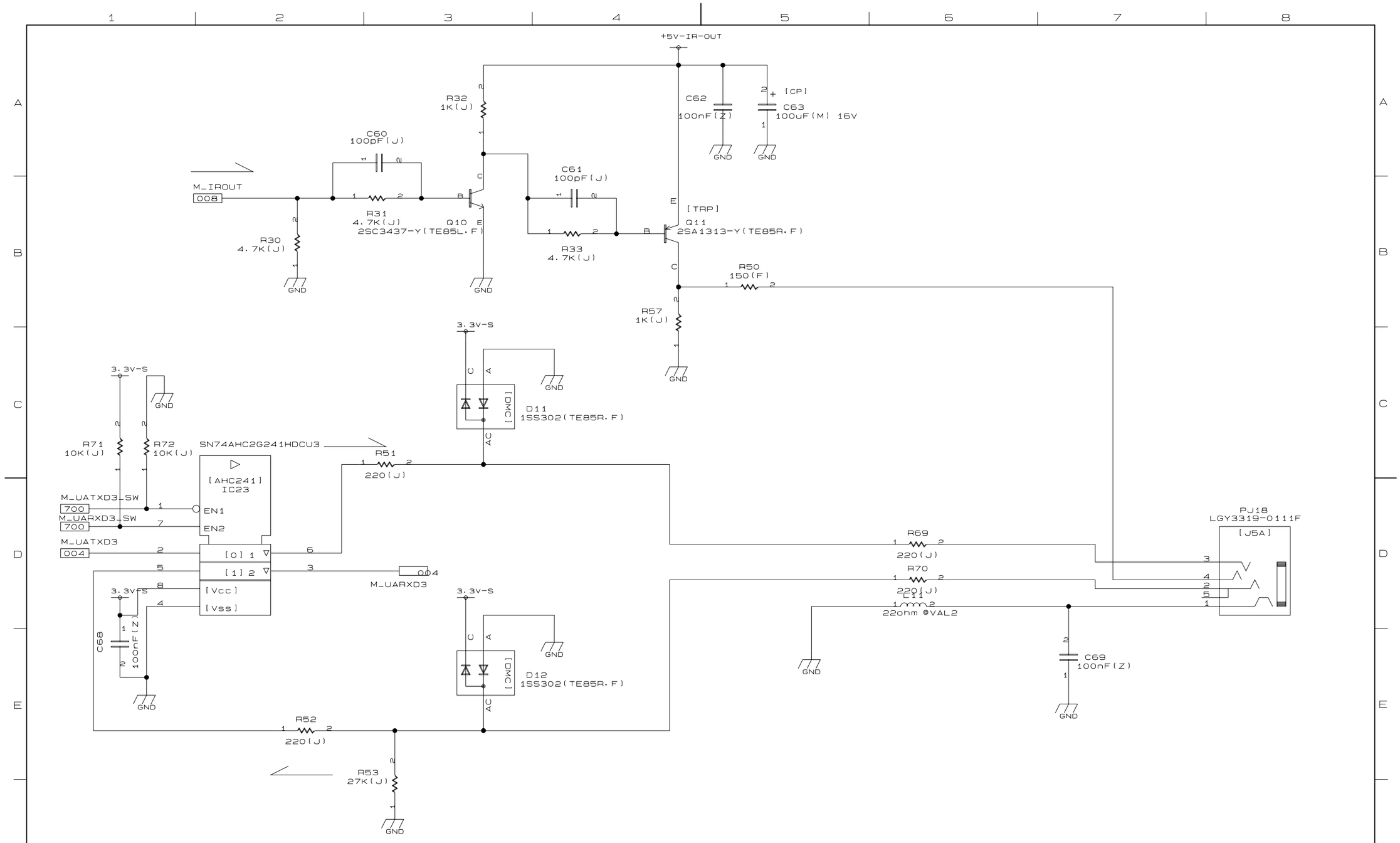
62HM95
SEINE_DIGITAL (M-SYSTEM_NAND_FLASHROM)

SH.NO. 7



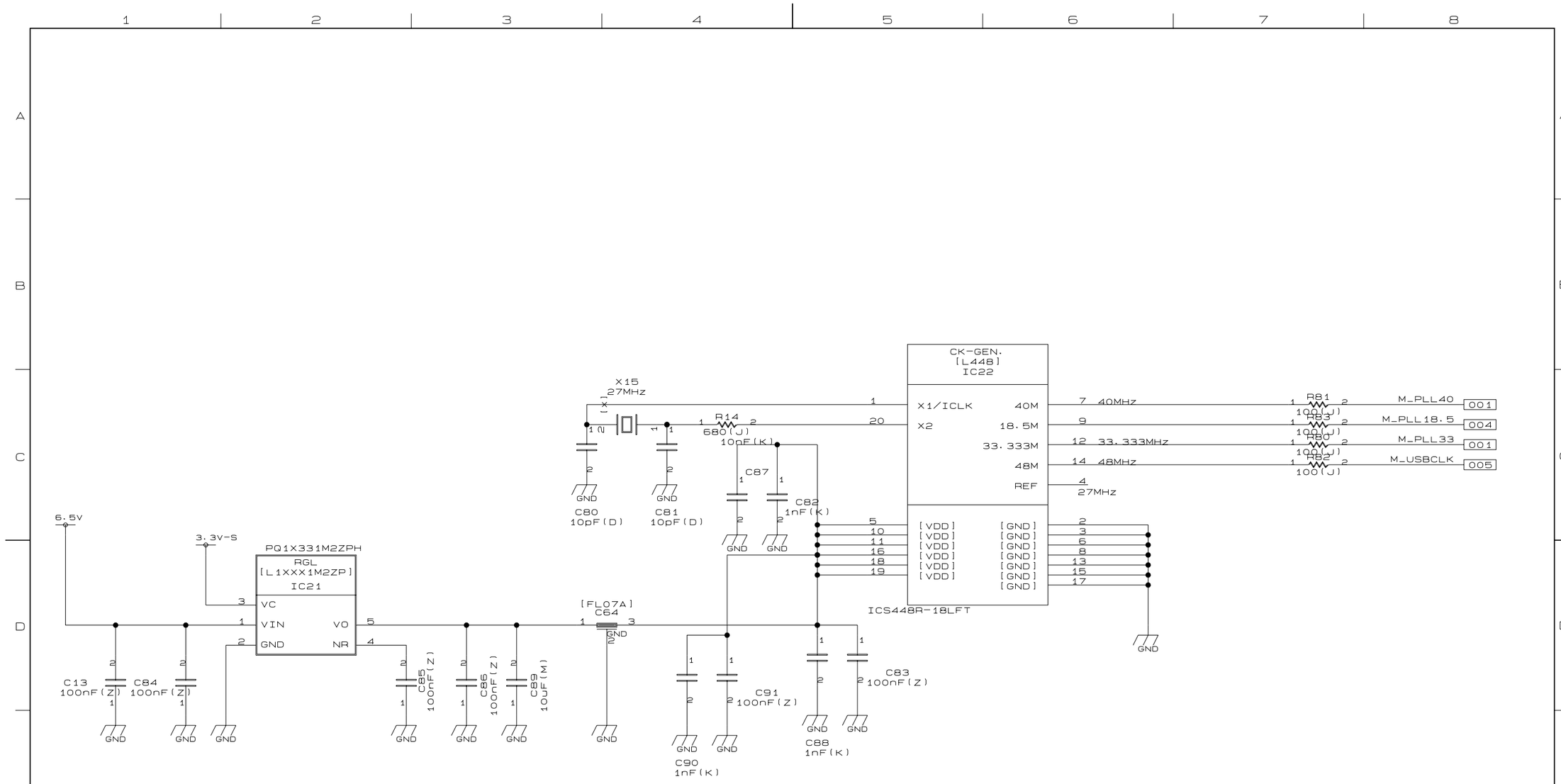
62HM95
SEINE_DIGITAL (IR)

SH.NO.
8



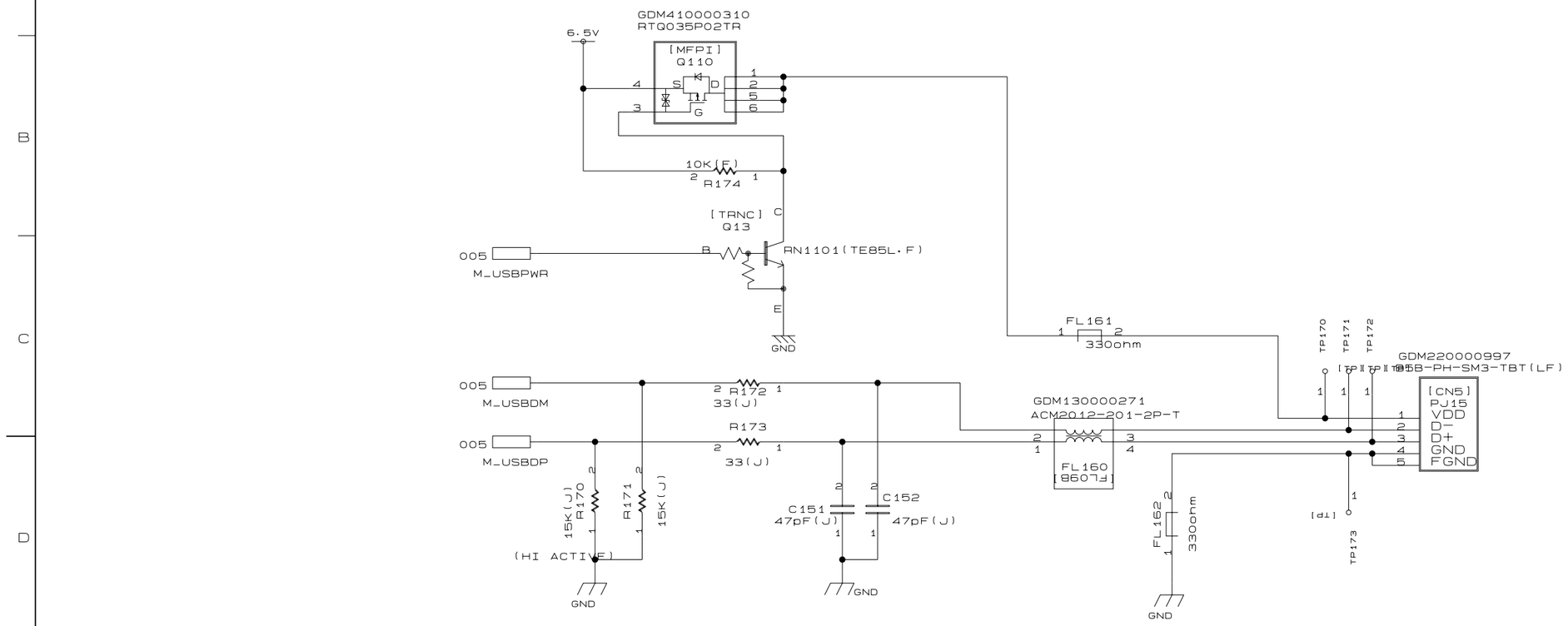
62HM95
SEINE_DIGITAL (GLINK_IR-OUT)

SH.NO. 9



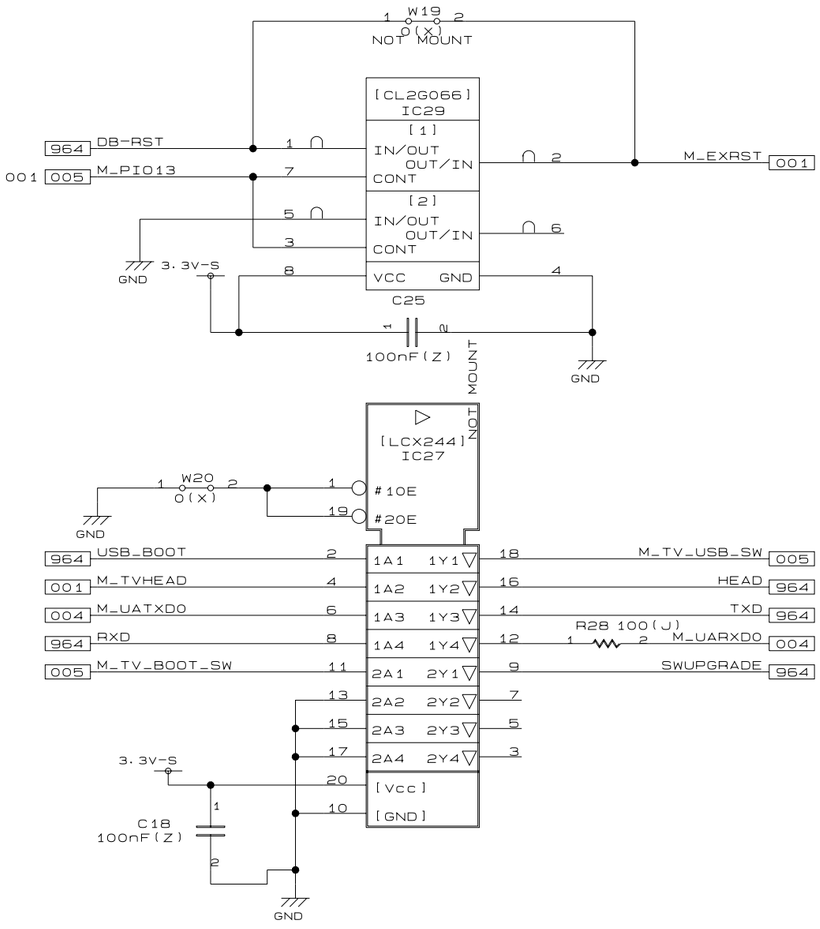
62HM95
SEINE_DIGITAL (CLOCK_GENERATOR)

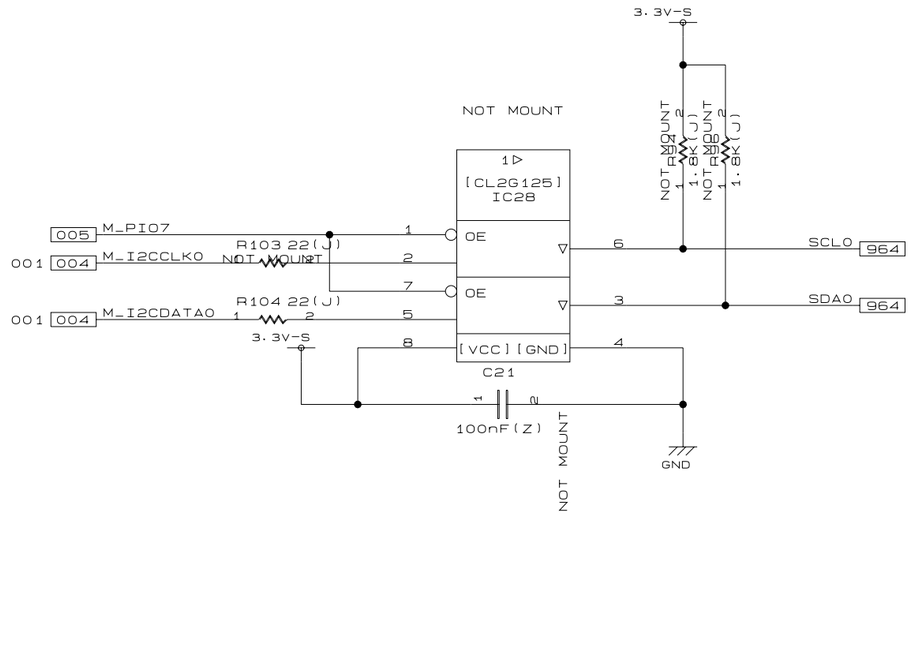
SH.NO.
10



62HM95
SEINE_DIGITAL (USB_I/F)

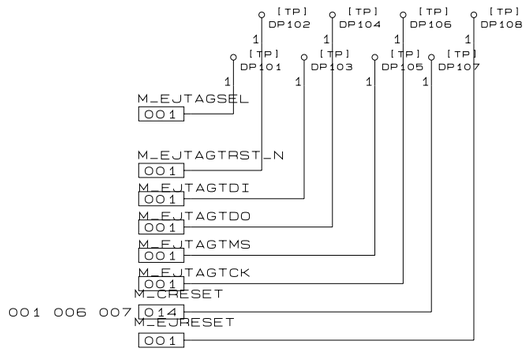
SH.NO.
11





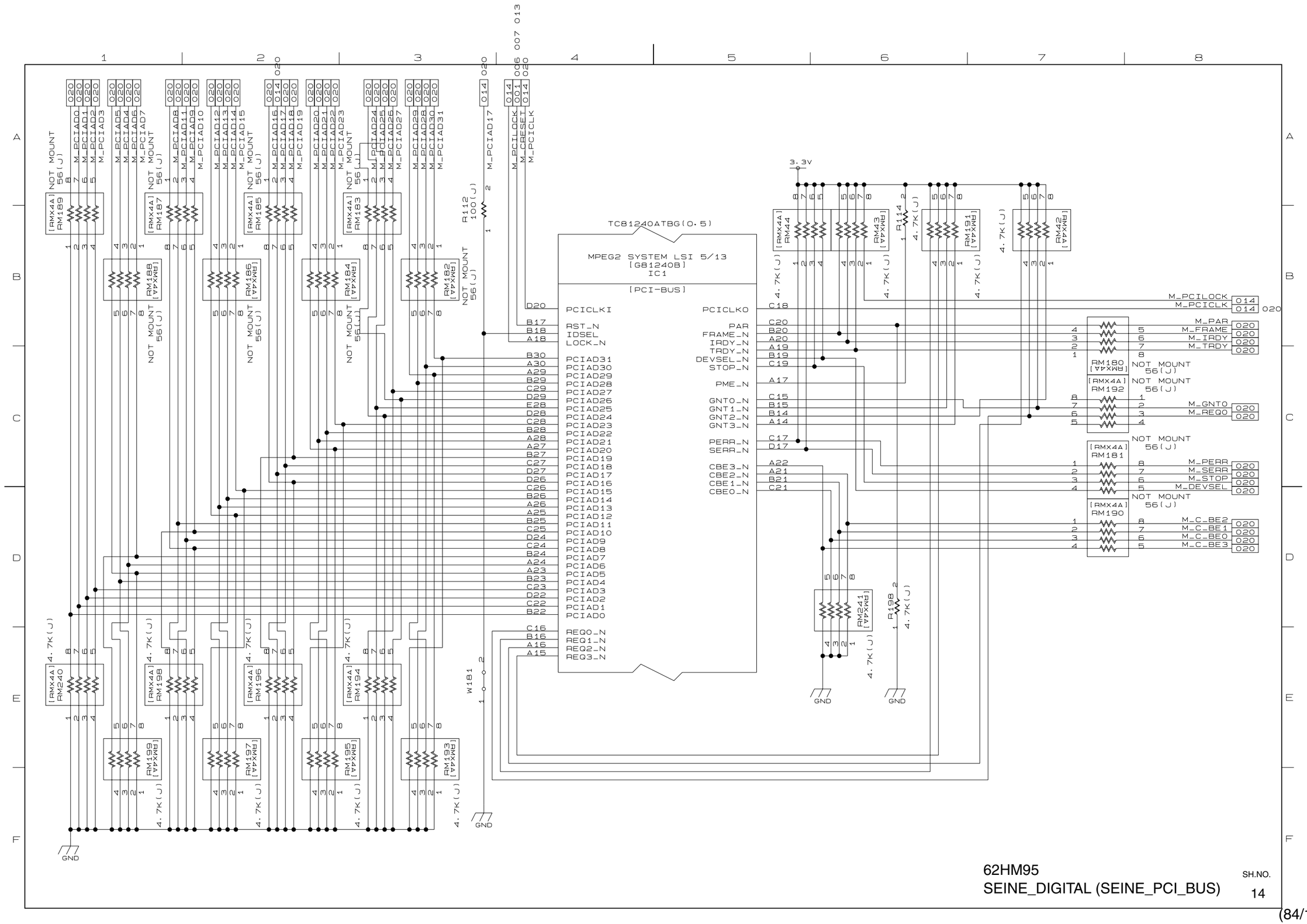
62HM95
SEINE_DIGITAL (UARTO_INTERFACE)

SH.NO. 12



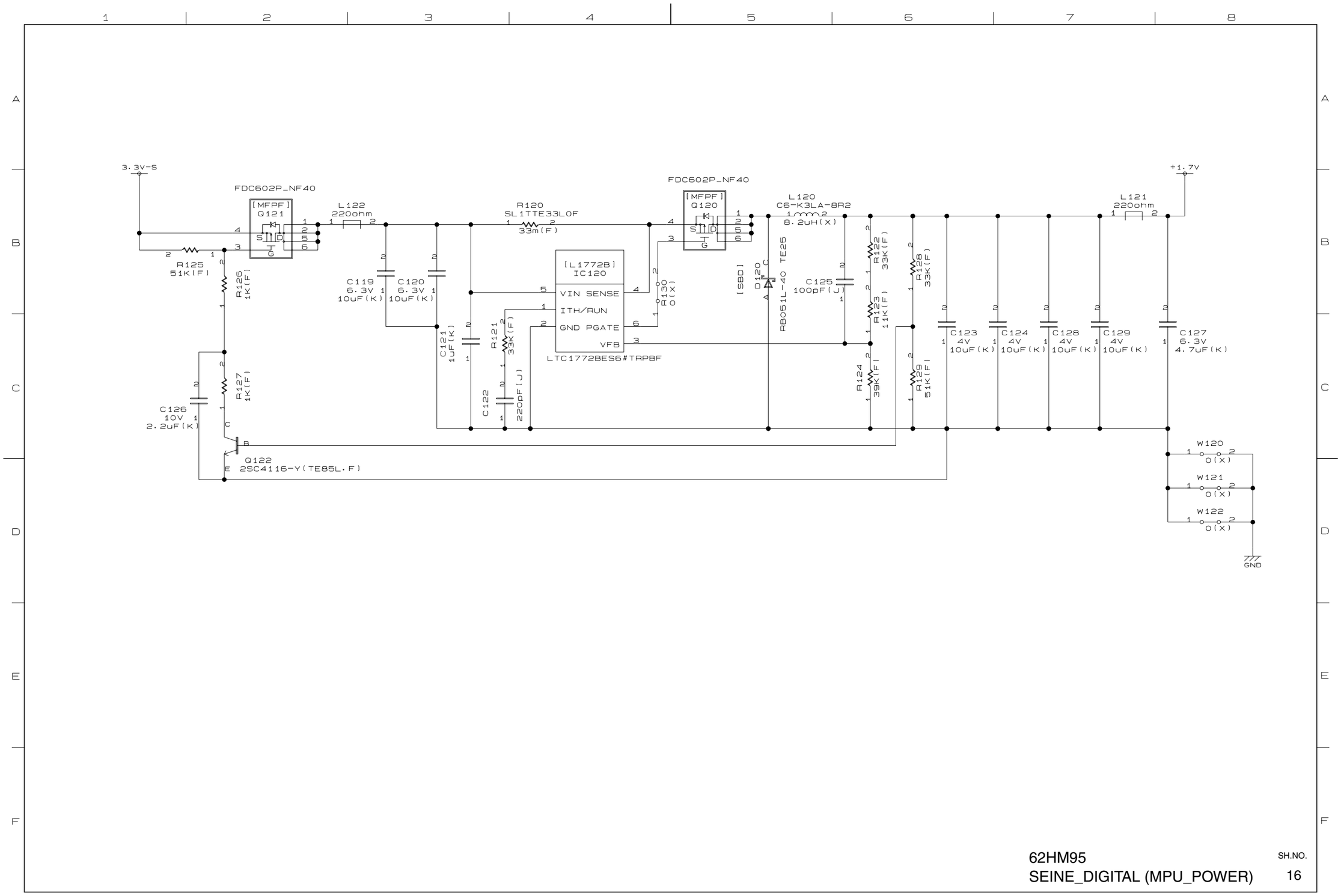
62HM95
SEINE_DIGITAL (EJTAG_CONNECTOR)

SH.NO. 13



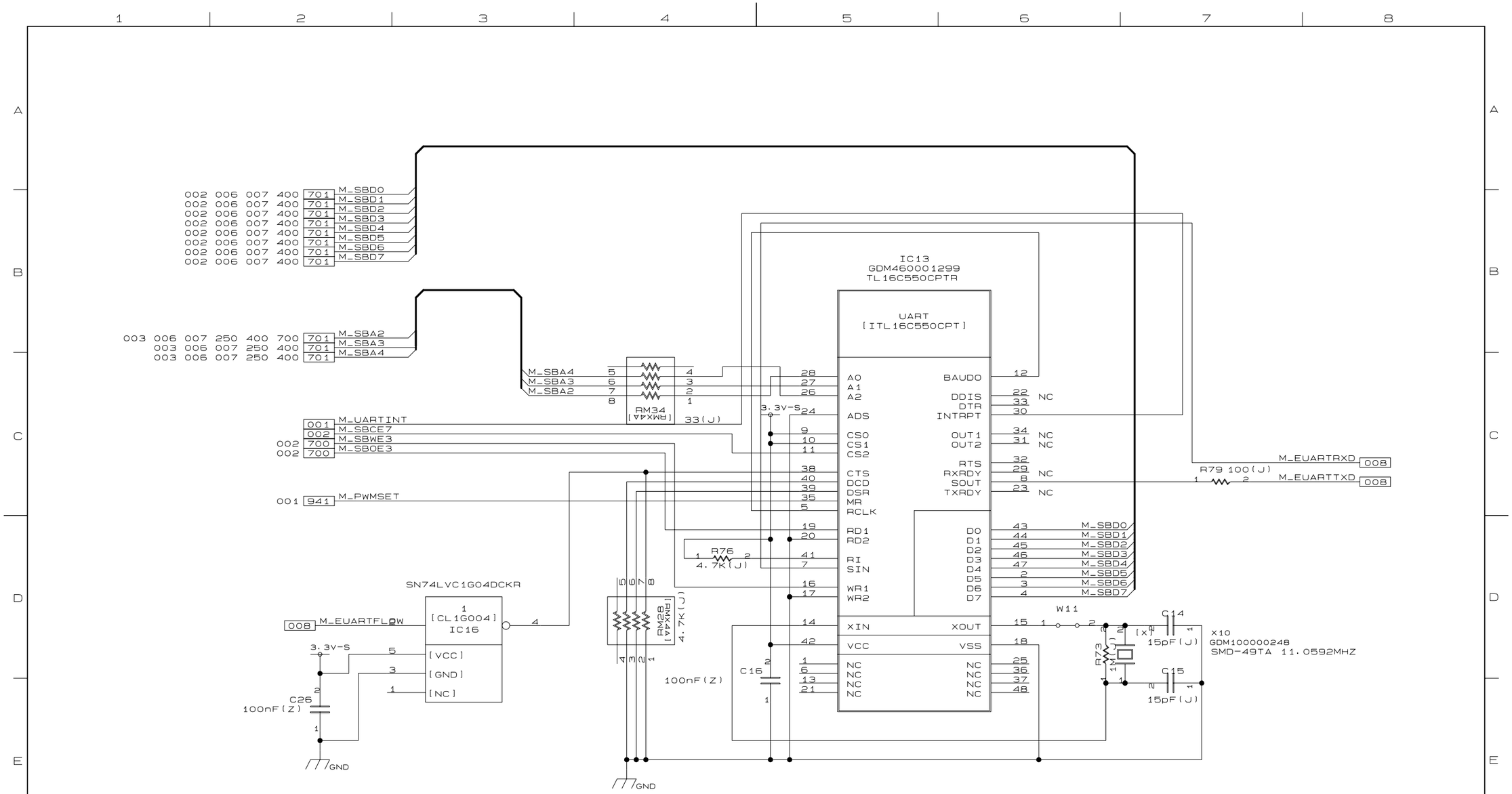
62HM95
SEINE_DIGITAL (SEINE_PCI_BUS)

SH.NO. 14



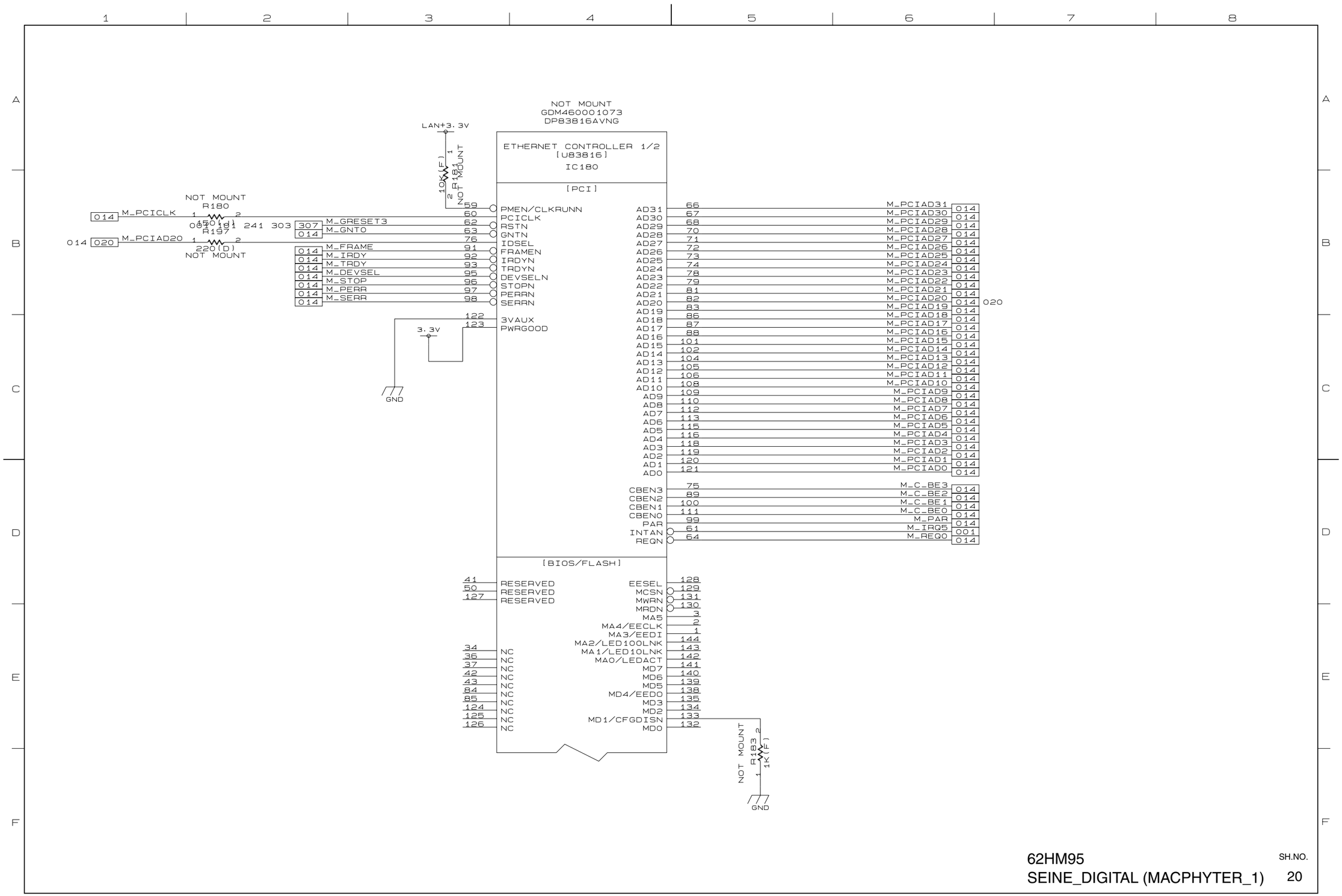
62HM95
SEINE_DIGITAL (MPU_POWER)

SH.NO.
16



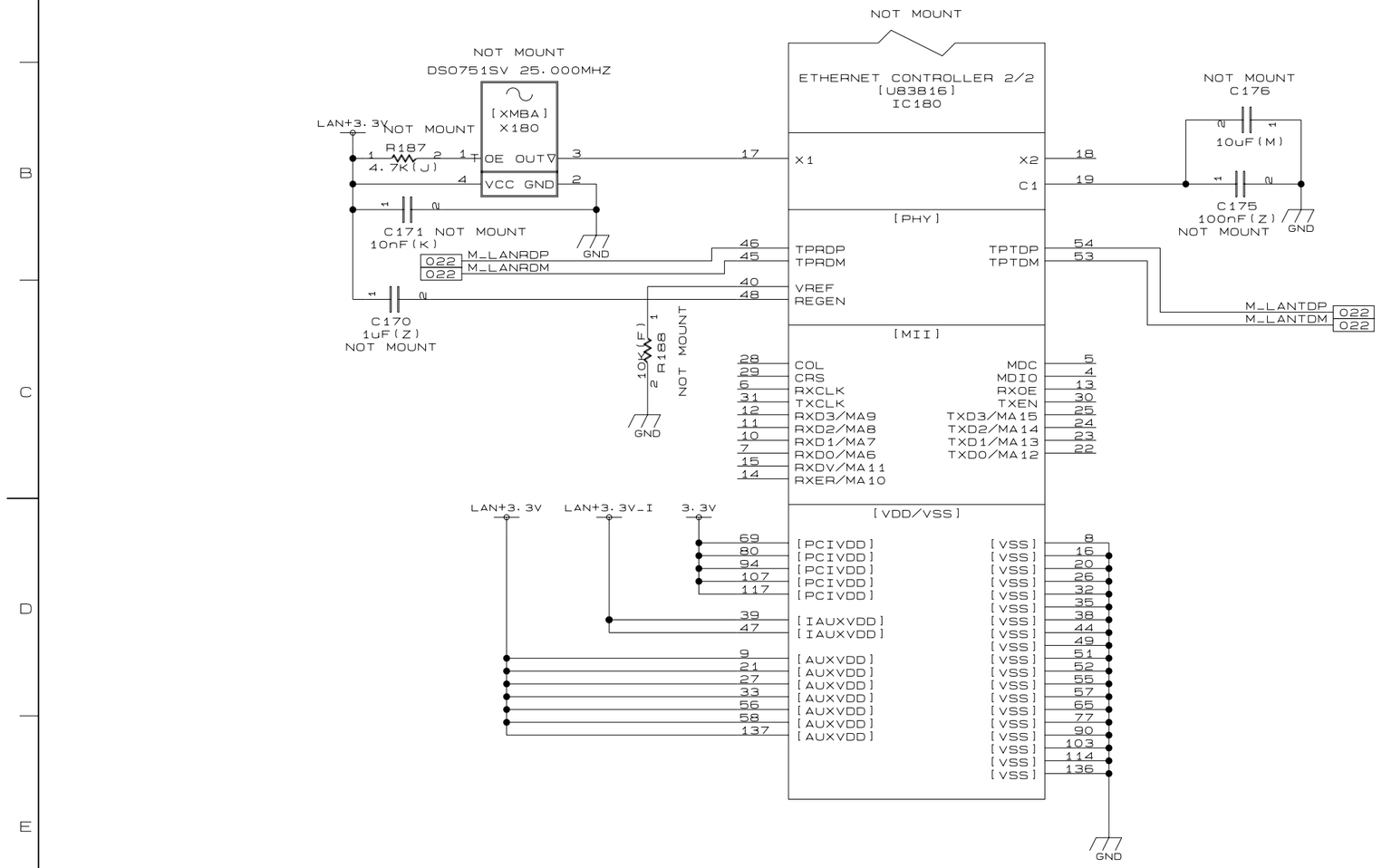
62HM95
SEINE_DIGITAL (Ext_UART)

SH.NO. 17



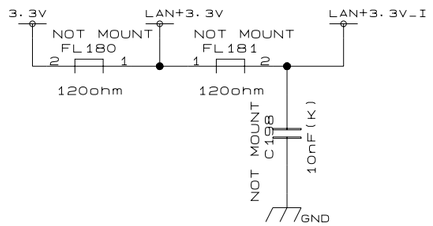
62HM95
SEINE_DIGITAL (MACPHYTER_1)

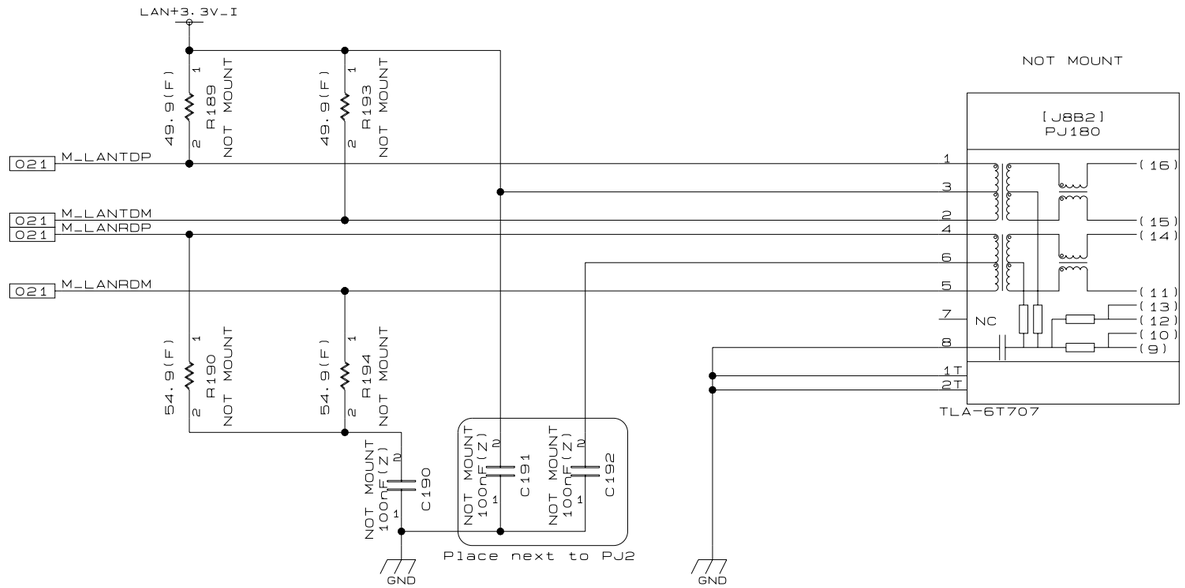
SH.NO. 20



62HM95
SEINE_DIGITAL (MACPHYTER_1)

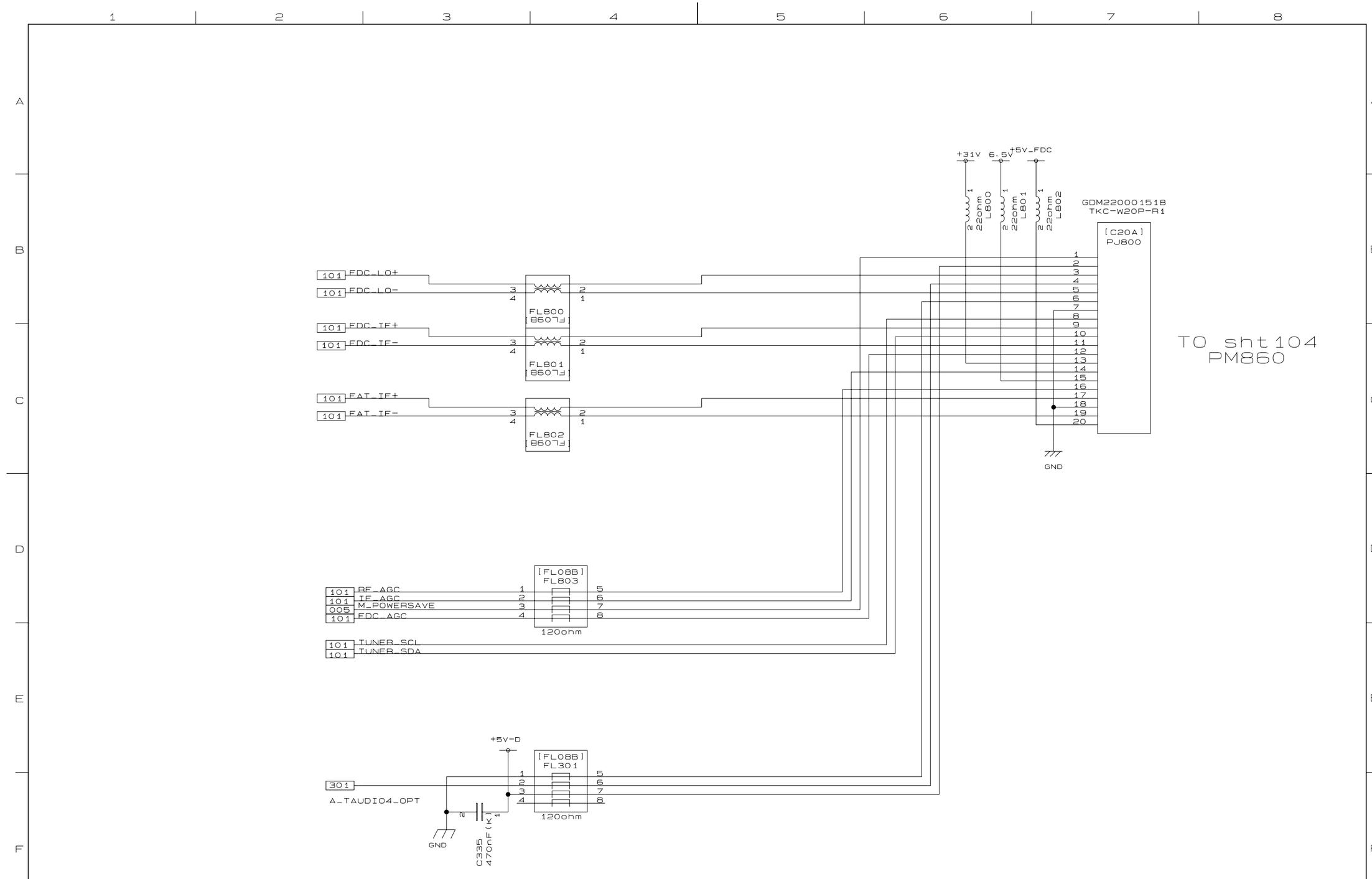
SH.NO. 21





62HM95
SEINE_DIGITAL (RJ45)

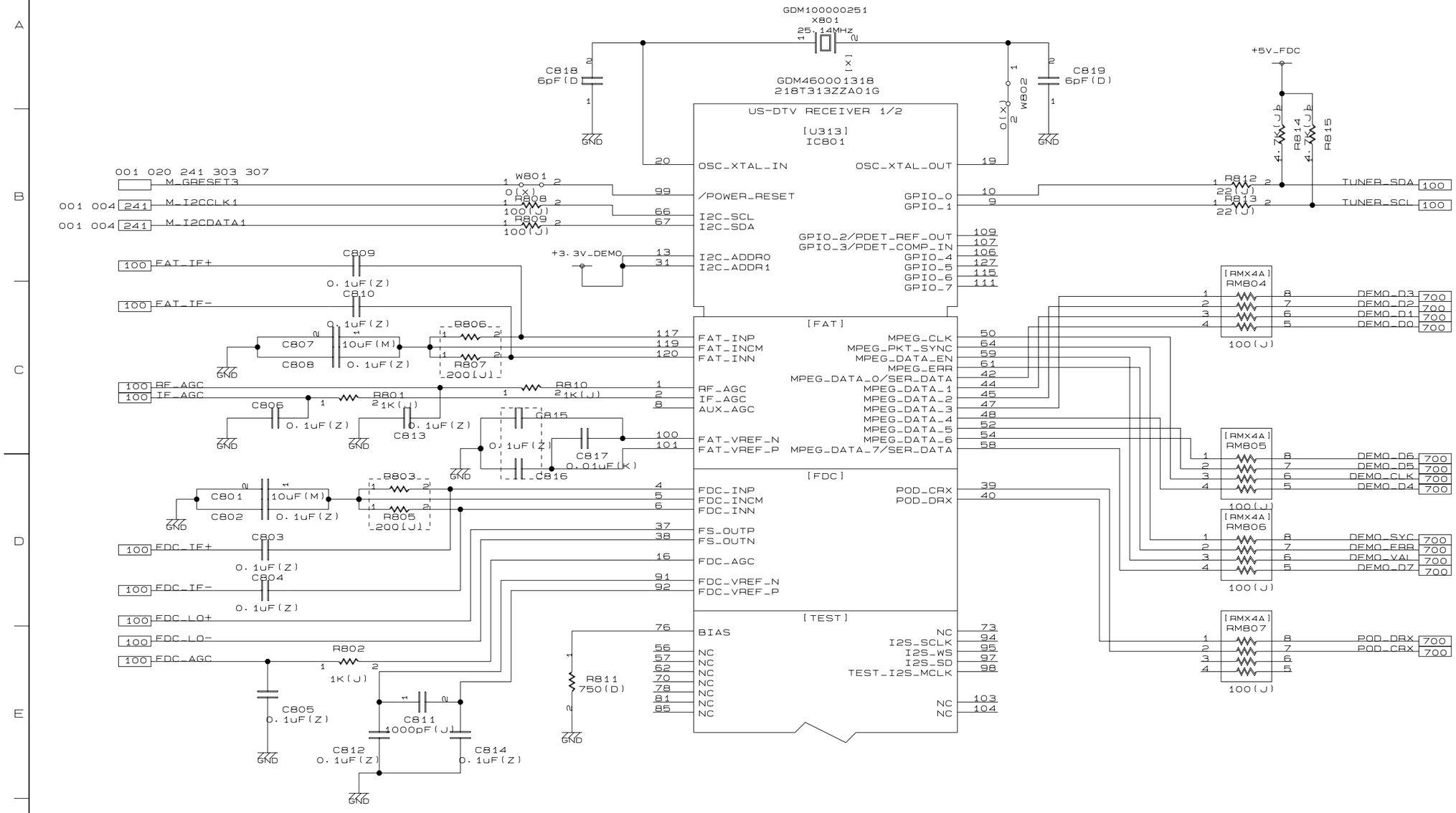
SH.NO.
22



62HM95

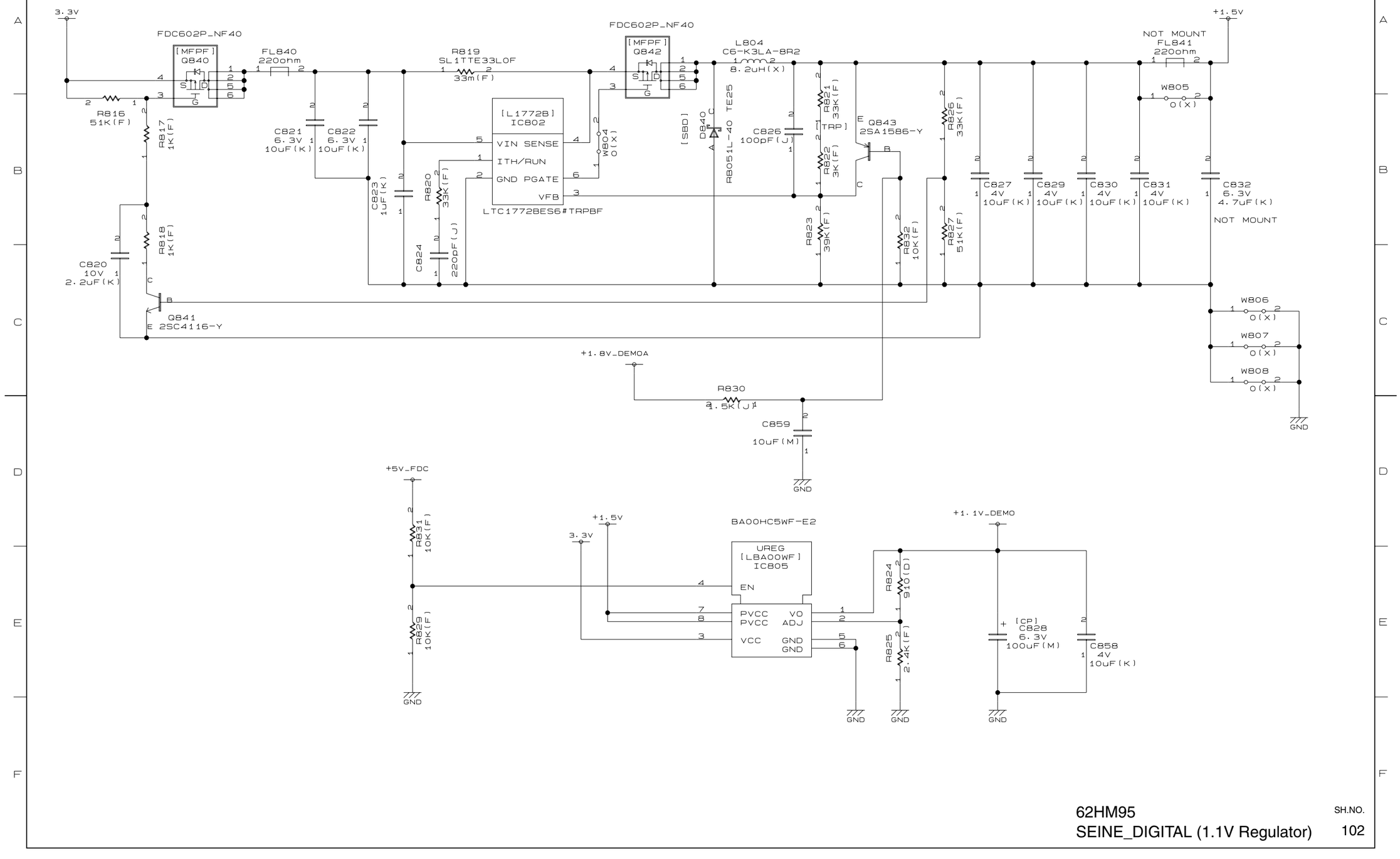
SEINE_DIGITAL (TUNER_CONNECTOR)

SH.NO. 100



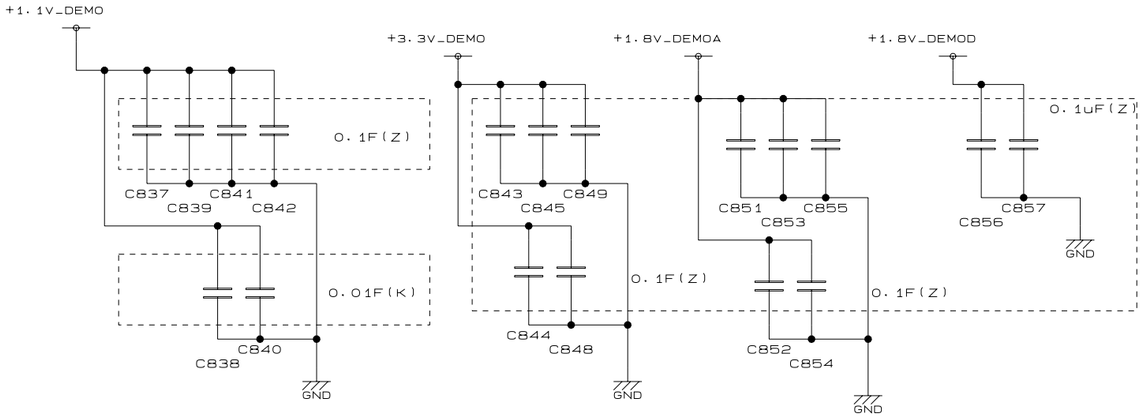
62HM95
SEINE_DIGITAL (T313 (Signal))

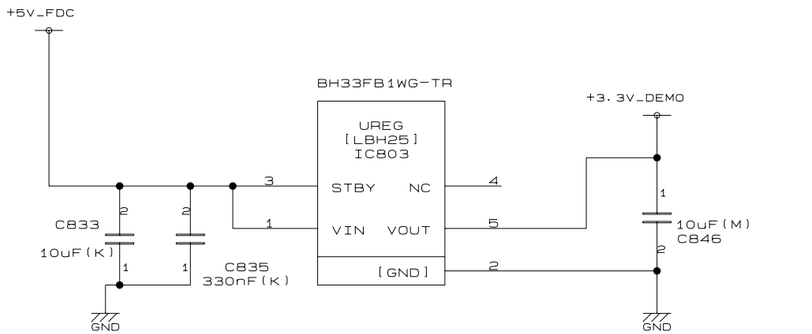
SH.NO.
101

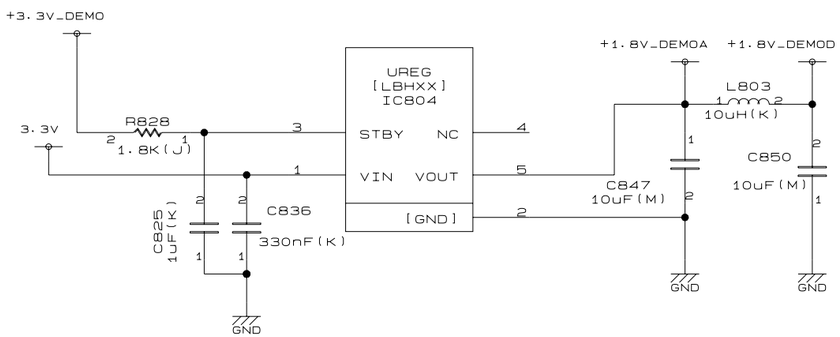


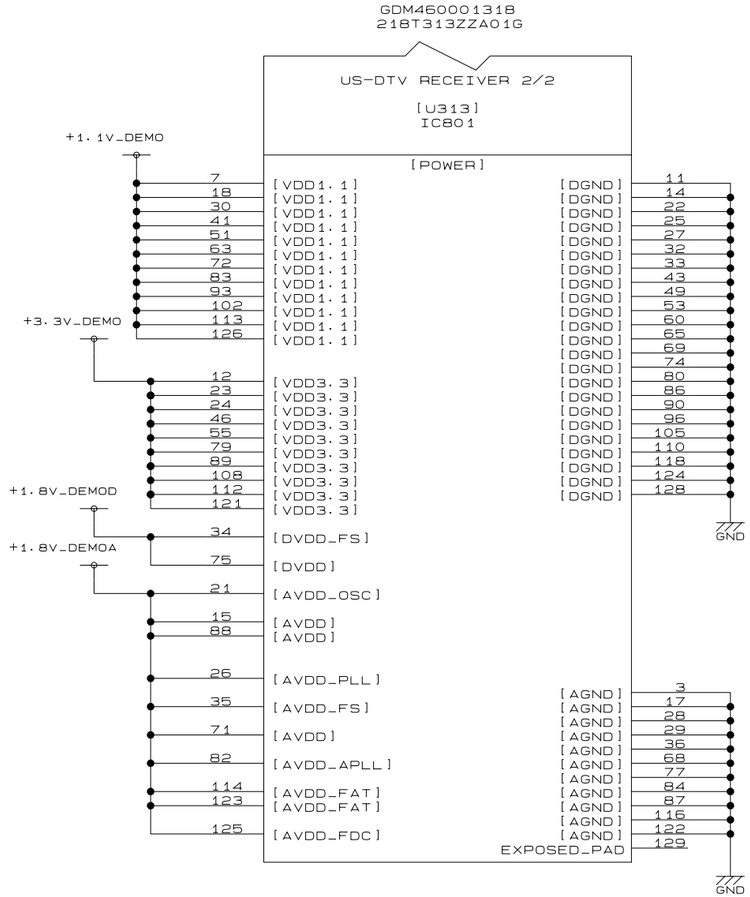
62HM95
SEINE_DIGITAL (1.1V Regulator)

SH.NO.
102



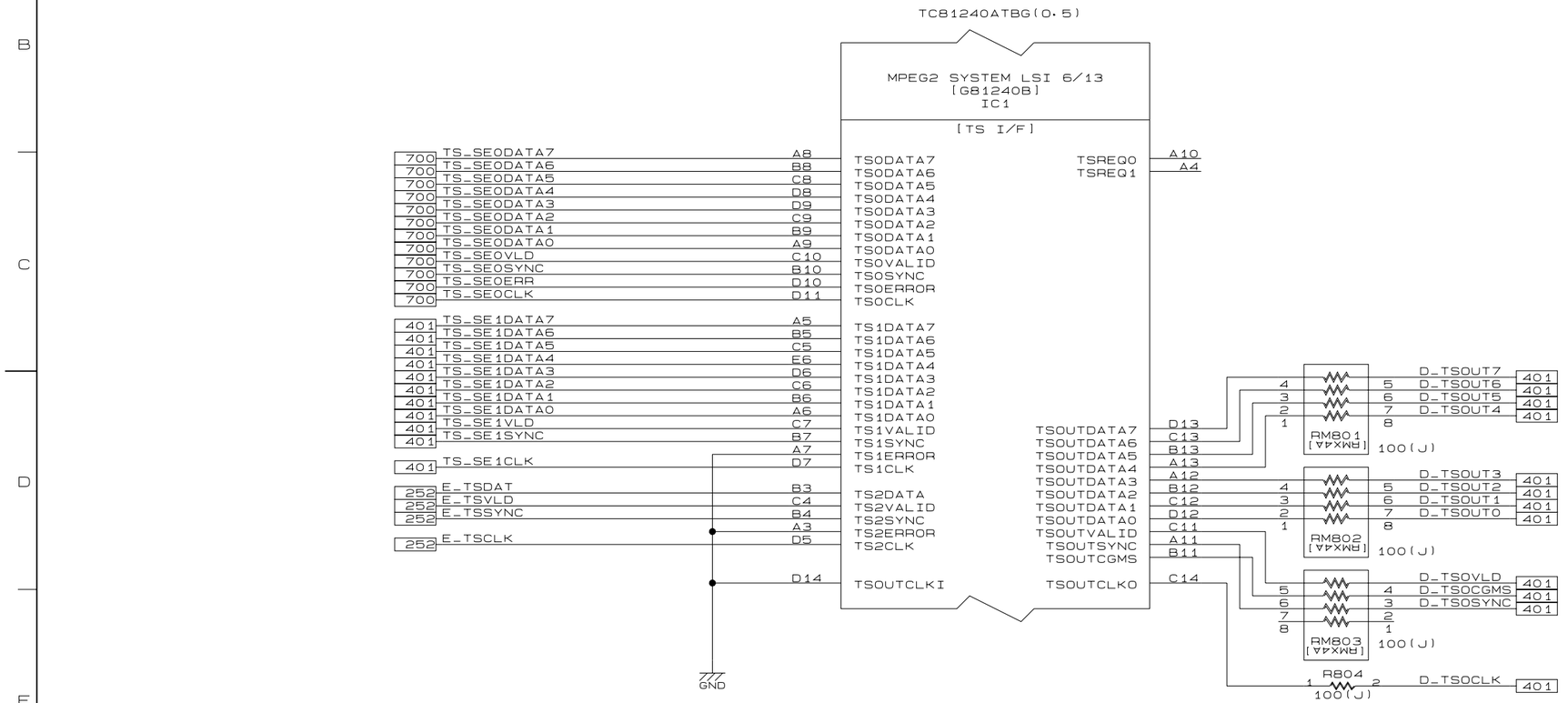






62HM95
SEINE_DIGITAL (T313 (POWER))

SH.NO. 103

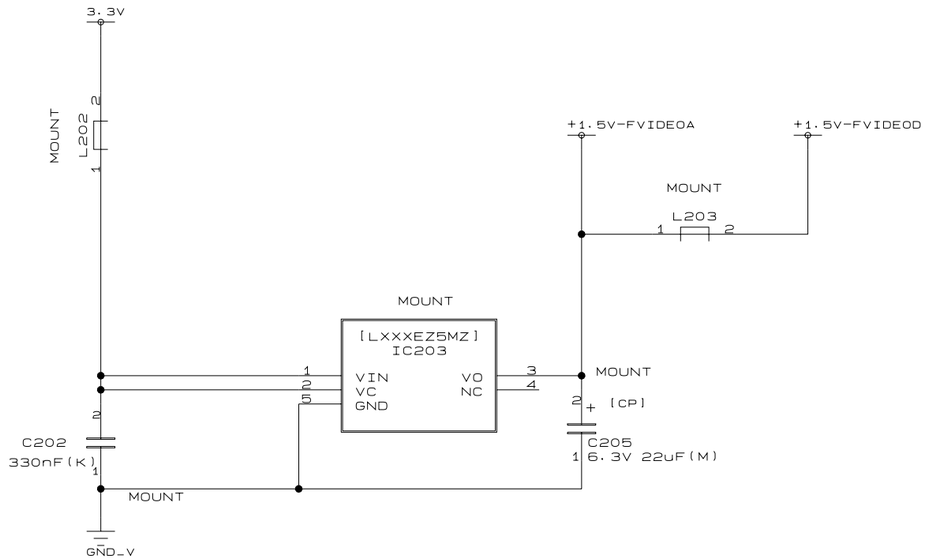


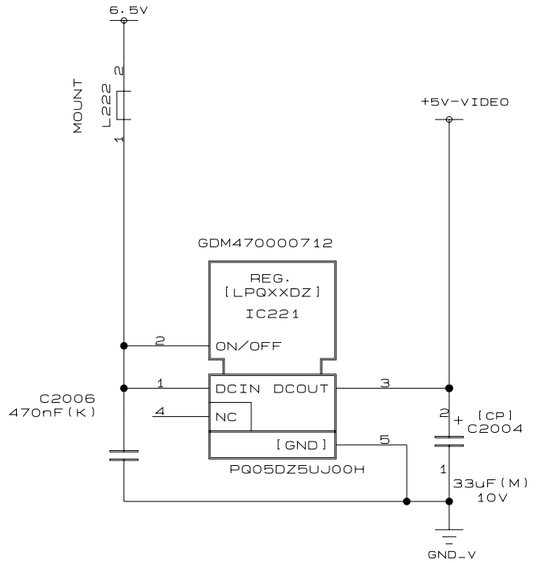
62HM95
SEINE_DIGITAL (SEINE_TS_I/F)

SH.NO. 150

62HM95
SEINE_DIGITAL (SEINE_CAPTURE_IN)

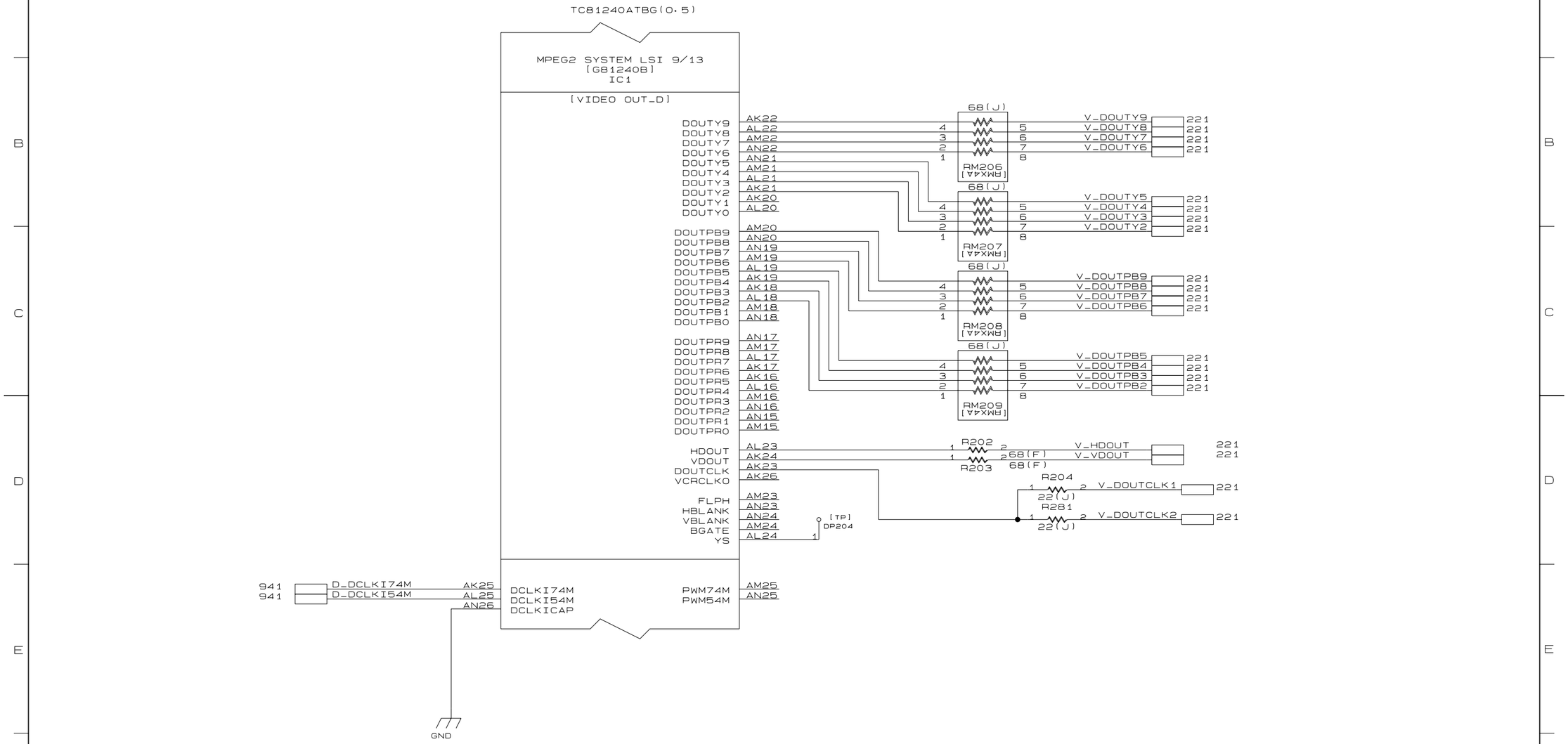
SH.NO.
200





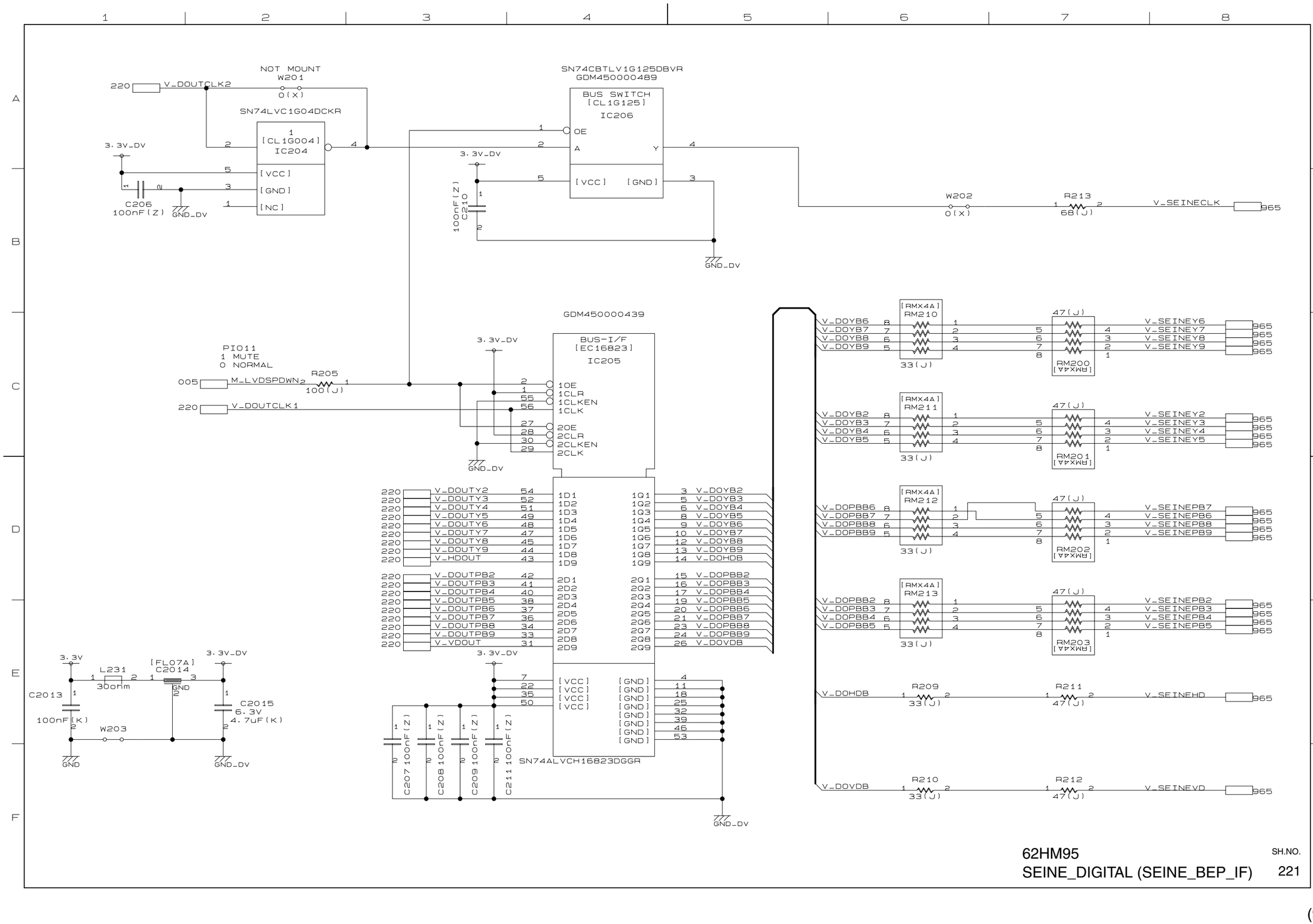
62HM95
SEINE_DIGITAL (VIDEO_POWER)

SH.NO.
210



62HM95
SEINE_DIGITAL (SEINE_DIGITAL_OUT)

SH.NO. 220



62HM95

SEINE_DIGITAL (SEINE_BEP_IF)

SH.NO. 221

TC81240ATBG(0.5)

MPEG2 SYSTEM LSI 10/13
[G81240B]
IC1

[VIDEO OUT_A]

YOUT AE31
PBOUT AF31
PROUT AG31

VCRYOUT AA31
VCRCOUT AB31
VCRCVOUT AC31

YNEG AE32
PBNEG AF32
PRNEG AG32

VCRYNEG AA32
VCRCNEG AB32
VCRCVNEG AC32

HSYNC AL28
VSYNC AM28
FASTBLK AK28
CSYNC1 AN27
CSYNC0 AN28

FSADJ_HD AE33
FSADJ_VCR AA33
VBS_HD AF33
VBS_VCR AB33
VREF_HD AG33
VREF_VCR AC33

AD29 DPVD_HD
AA29 DPVD_VCR
AD30 APVD_HD1
AE30 APVD_HD2
AF30 APVD_HD3
AA30 APVD_VCR1
AB30 APVD_VCR2
AC30 APVD_VCR3

DPVS_HD AE29
DPVS_VCR AB29
APVS_HD AF29
APVS_VCR AC29

+2.5V-SEINEDAC

V_YOUT 227
V_PBOUT 227
V_PROUT 227
V_VCRCVOUT 226

75(F) R223
75(F) R230
75(F) R237
75(F) R220
68(F) R224
75(F) R227
68(F) R231
75(F) R234
68(F) R238

[RMX4A] RM238
[RMX4A] RM237
[RMX4A] RM236

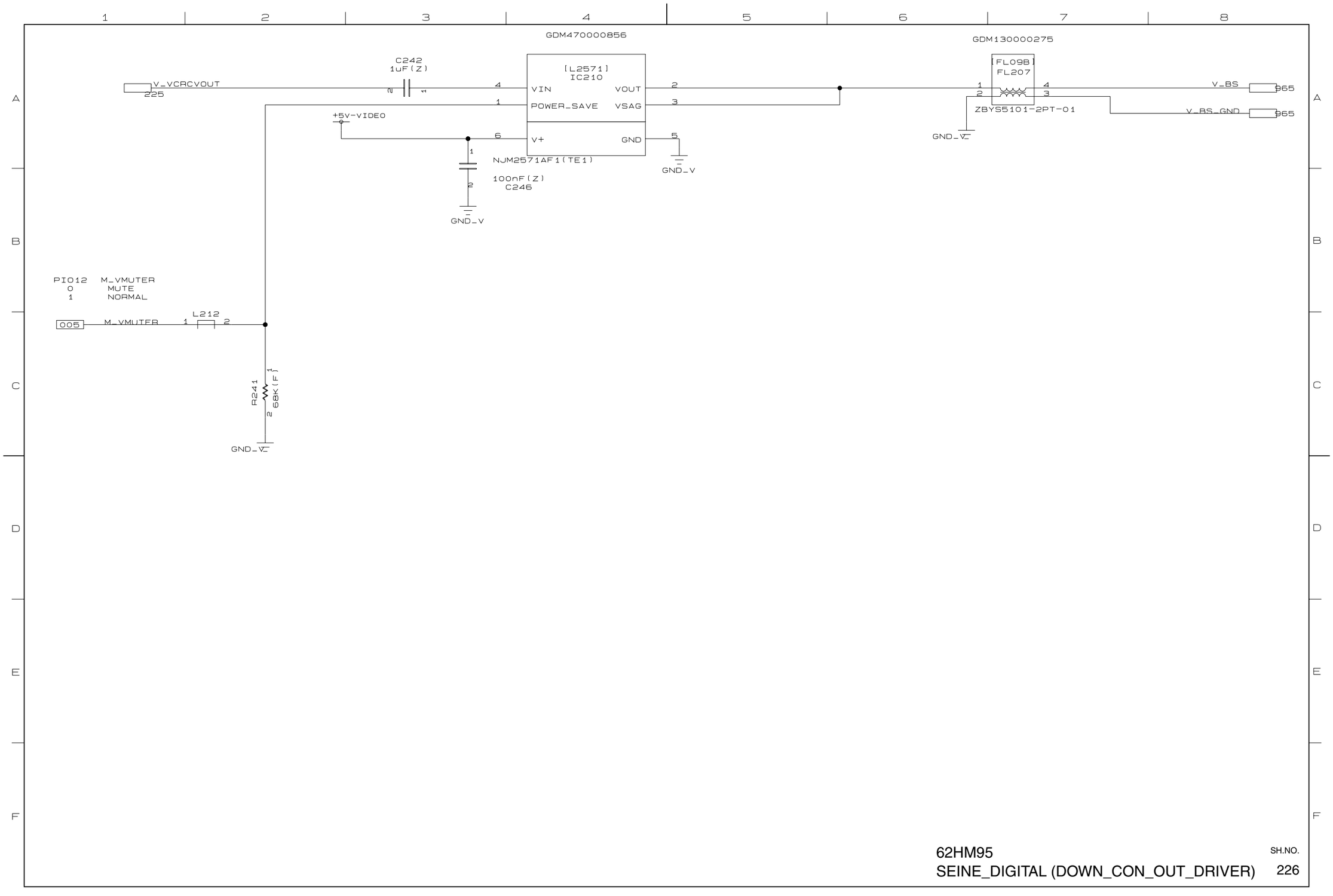
C227 100nF(Z)
C228 100nF(Z)
C229 100nF(Z)
C231 10nF(K)
C233 10nF(K)
C234 10nF(K)
C235 100nF(Z)
C236 100nF(Z)
C237 100nF(Z)
C238 100nF(Z)
C239 100nF(Z)
C240 100nF(Z)

R218 300(F)
R219 300(F)

GND_V

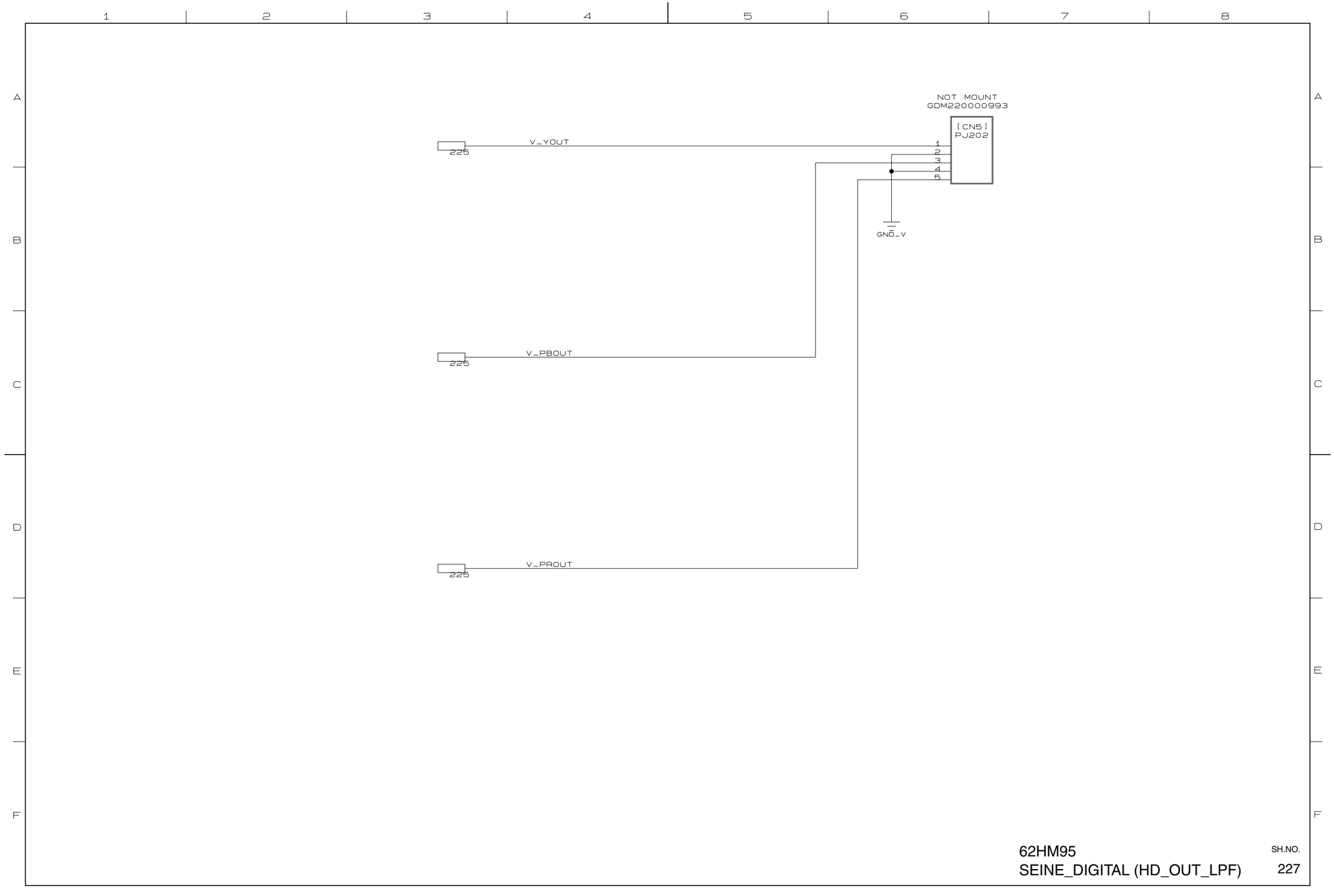
62HM95
SEINE_DIGITAL (DAC_OUT)

SH.NO. 225



62HM95
SEINE_DIGITAL (DOWN_CON_OUT_DRIVER)

SH.NO.
226

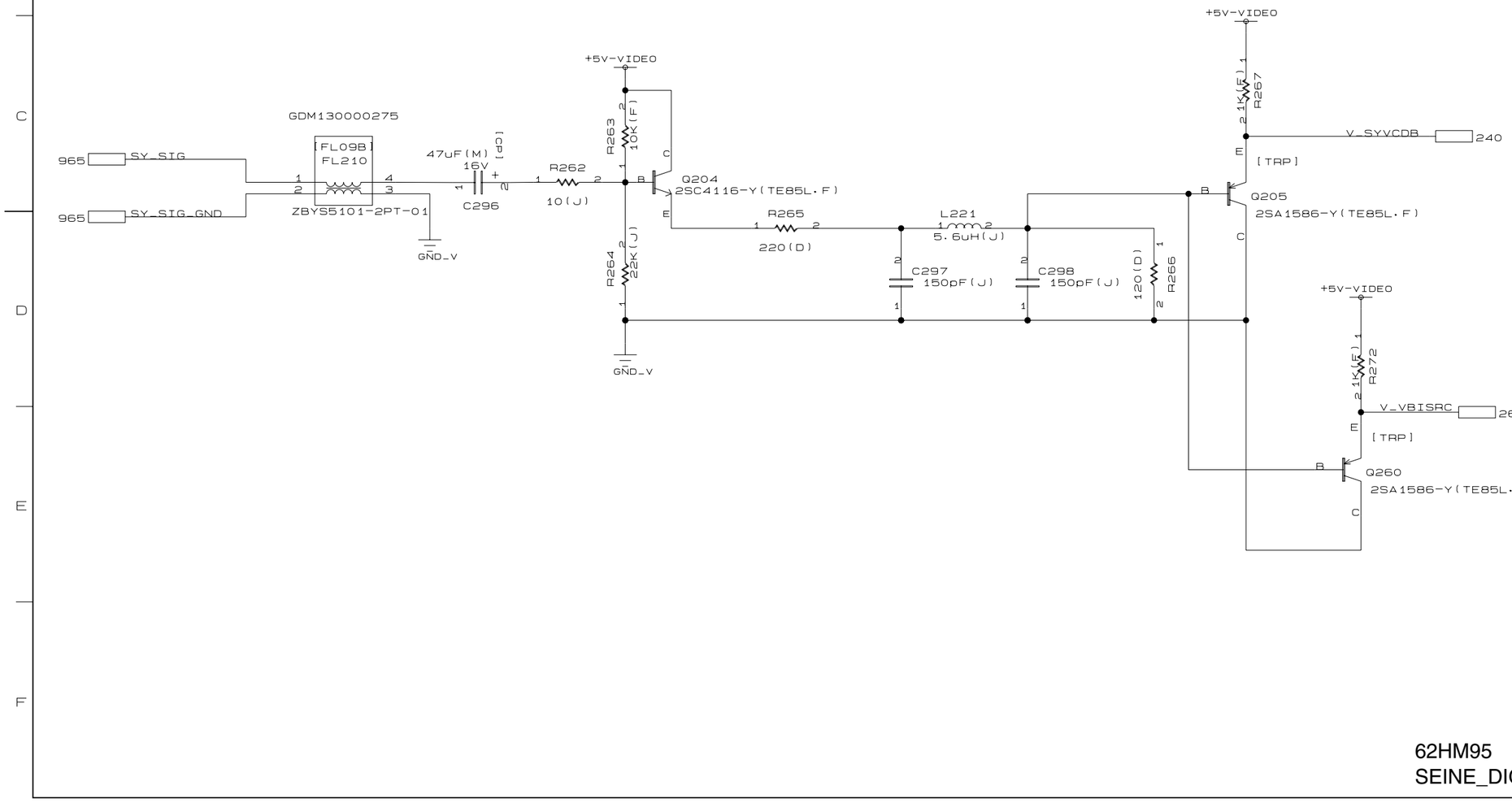


62HM95
SEINE_DIGITAL (HD_OUT_LPF)

SH.NO.
227

SMD-49 24.576MHZ
X201
C253 10pF(D)
C255 10pF(D)
GND
VIDEO DECODER
[U64011]
1/2
IC213
XI
XO
42
43
[SDRAM IF]
[DIGITAL OUTPUT]
[ANALOG INPUT]
SDRAO
SDRA1
SDRA2
SDRA3
SDRA4
SDRA5
SDRA6
SDRA7
SDRA8
SDRA9
SDRABP
SDRCS#
SDRCKE
SDRRAS#
SDRCLK
SDRCAS#
SDRWE#
SDRDQ0
SDRDQ1
SDRDQ2
SDRDQ3
SDRDQ4
SDRDQ5
SDRDQ6
SDRDQ7
SDRDQ8
SDRDQ9
SDRDQ10
SDRDQ11
SDRDQ12
SDRDQ13
SDRDQ14
SDRDQ15
V_VDQI0 39
V_VDQI1 37
V_VDQI2 35
V_VDQI3 33
V_VDQI4 30
V_VDQI5 27
V_VDQI6 24
V_VDQI7 21
V_VDQI8 22
V_VDQI9 25
V_VDQI10 28
V_VDQI11 31
V_VDQI12 34
V_VDQI13 36
V_VDQI14 38
V_VDQI15 40
ROY0
ROY1
ROY2
ROY3
ROY4
ROY5
ROY6
ROY7
ROY8
ROY9
ROCK
ROC0
ROC1
ROC2
ROC3
ROC4
ROC5
ROC6
ROC7
ROC8
ROC9
FDIO0
FDIO1
FDIO2
FDIO3
FDIO4
FDIO5
FDIO6
FDIO7
FDIO8
FDIO9
AYI1
AYI2
AYI3
AYI4
AYI5
AYI6
ACI1
ACI2
ACI3
ACBI
VCOMY
VRTY
VCLY
VRBY
VRBC1
VRBC2
VCOMC1
VCOMC2
VRTC1
VRTC2
RM222 [RMX4A]
RM223 [RMX4A]
RM224 [RMX4A]
RM225 [RMX4A]
RM226 [RMX4A]
RM227 [RMX4A]
RM228 [RMX4A]
RM229 [RMX4A]
RM230 [RMX4A]
RM231 [RMX4A]
100(J)
33(J)
R251 100(J)
R271 33(J)
V_ENCDAT0
V_ENCDAT1
V_ENCDAT2
V_ENCDAT3
V_ENCDAT4
V_ENCDAT5
V_ENCDAT6
V_ENCDAT7
V_ENCCLK
GDM460001268
HY57V161610ETP-8
[MSSD1M16]
IC214
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
CS#
RAS#
CAS#
WE#
BS
CLK
CKE
UDQM
LDQM
NC
NC
[0] D
[1] D
[2] D
[3] D
[4] D
[5] D
[6] D
[7] D
[8] D
[9] D
[10] D
[11] D
[12] D
[13] D
[14] D
[15] D
[VCCQ] [VSSQ]
[VCC] [VSS]
MOUNT
C254 1uF(K) 10V
V_SYVCDB
242
W230 0(X)
C2012 1uF(K) 10V
NOT MOUNT
C2905 100pF(J)
GND_V
3.3V
FL212
C256 100nF(Z)
C257 100nF(Z)
C258 100nF(Z)
C259 100nF(Z)
C260 100nF(Z)
C261 100nF(Z)
C262 100nF(Z)
C263 100nF(Z)
C264 10uF(M)16V [CP]
C265 100nF(Z)
C266 100nF(Z)
C2011 100nF(Z)
C2008 100nF(Z)
C2009 100nF(Z)
C2010 100nF(Z)
62HM95
SEINE_DIGITAL (MACRO_VCD)
SH.NO.
240

001 004 101 M_I2CCLK1
001 004 101 M_I2CDATA1
001 020 101 303 307 M_GRESET3
R252 100(J)
R253 100(J)
R280 100(J)
3.3V
R254 10K(J)
R255 10K(J)
C286 47nF(K)
C287 47nF(K)
GDM460001262
VIDEO DECODER
[U64011]
2/2
IC213
[FSC CLK GEN]
FSCI
FSCO
[H-LOCK CLK GEN]
HCLI
HCLO
[TEST]
TEST
[OTHER]
FCKM
SLAO
FCLK8
ROFDIE
BCLK8
BCKM
SCL
SDA
RSTB#
FCKQ
FOCP
FCSI
N3DI
TMO
TM1
TM2
SMC
SCKSET
[DVDD1]
[DVDD3]
[DGND]
[AVDD1]
[AVDD3]
[AGND]
UPD64011BGM-8ED-A
[TP] DP210
RGRED#
HD
VD
VBLK
FILD
RDEO
+3.3V-FVIDEOA_F
+3.3V-FVIDEOA_H
R256 220(J)
R257 220(J)
R258 360(D)
R259 360(D)
L217 18uH(J)
L218 56uH(J)
[TRP] Q202
[TRP] Q203
2SA1586-Y(TE85L.F)
C290 120pF(J)
C291 220pF(J)
C292 150pF(J)
C293 390pF(J)
R260 220(J) MOUNT
R261 220(J) MOUNT
GND_FSC
GND_HLC
PQ1X331M2ZPH
RGL
[L1XXX1M2ZP]
IC209
R285 100(J)
FL211
C2901 100nF(Z)
C2902 100nF(Z)
C2903 10uF(M)
GND_V
+1.5V-FVIDEOD
+1.5V-FVIDEOA
+1.5V-FVIDEOA_H
+1.5V-FVIDEOA_F
+3.3V-FVIDEOA
+3.3V-FVIDEOA_H
+3.3V-FVIDEOA_F
L219 10uH(K)
L220 10uH(K)
L215 10uH(K)
L216 10uH(K)
L213
L214
C267 C269 C272 C274 C277 C280 C281 100nF(Z)
C270 C273 C275 C278 100nF(Z)
C268 C271 C276 C279 100nF(Z)
C282 C283 C284 100nF(Z)
C285 10uF(M)
C288 10uF(M)
C289 10uF(M)
C294 10uF(M)
C295 10uF(M)
GND
62HM95
SEINE_DIGITAL (MACRO_VCD)
SH.NO.
241



62HM95
SEINE_DIGITAL (VIDEO_LPF)

SH.NO.
242

GDM460001099
UPD61052GD-LML-A

uPD61052 1/4
[U61052]
IC255

[Clock and Reset]

SCLK
STCLK
PSTOP
RESET
PWM

[Host CPU Interface]

CA0/FA0
CA1/FA1
CA2/FA2
CA3/FA3
CA4/FA4
CA5/FA5

CD0/FD0
CD1/FD1
CD2/FD2
CD3/FD3
CD4/FD4
CD5/FD5
CD6/FD6
CD7/FD7

CCS
CWE/CSDI
CRE

CWAIT/FOE
CINT

CMODE0/CSCLK
CMODE1/CSDO
CMODE2

[SDRAM Interface]

MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MD8
MD9
MD10
MD11
MD12
MD13
MD14
MD15
MD16
MD17
MD18
MD19
MD20
MD21
MD22
MD23
MD24
MD25
MD26
MD27
MD28
MD29
MD30
MD31

MA0
MA1
MA2
MA3
MA4
MA5
MA6
MA7
MA8
MA9
MA10
MA11
MA12
MA13

MCS
MRAS
MCAS
MWE
MDQM

MCLKE
MCLK

E_27MCLK_VCX0
3.3V
R2508
10K(F)
E_PSTOP
E_RESET

M_SBA1
M_SBA2
M_SBA3
M_SBA4
M_SBA5
M_SBA6

M_SBD8
M_SBD9
M_SBD10
M_SBD11
M_SBD12
M_SBD13
M_SBD14
M_SBD15

E_ENCCE
E_ENCWE
E_ENCOE

R2502
100(J)
E_ENCINT

RM258 [8PXN4B] 10K(J)

RM250 [8PXN4A]
RM251 [8PXN4A]
RM252 [8PXN4A]
RM253 [8PXN4A]
RM254 [8PXN4A]
RM255 [8PXN4A]
RM256 [8PXN4A]
RM257 [8PXN4A]

すべて100Ω

RM259 [8PXN4A]
RM260 [8PXN4A]
RM261 [8PXN4A]
RM262 [8PXN4A]
RM263 [8PXN4A]

R2503

すべて100Ω

GDM460001215
EDS6432AFTA-6B-E

SDRAM 64Mbit
[MSSD2M32]
IC250

Elpida:EDS6432AFTA

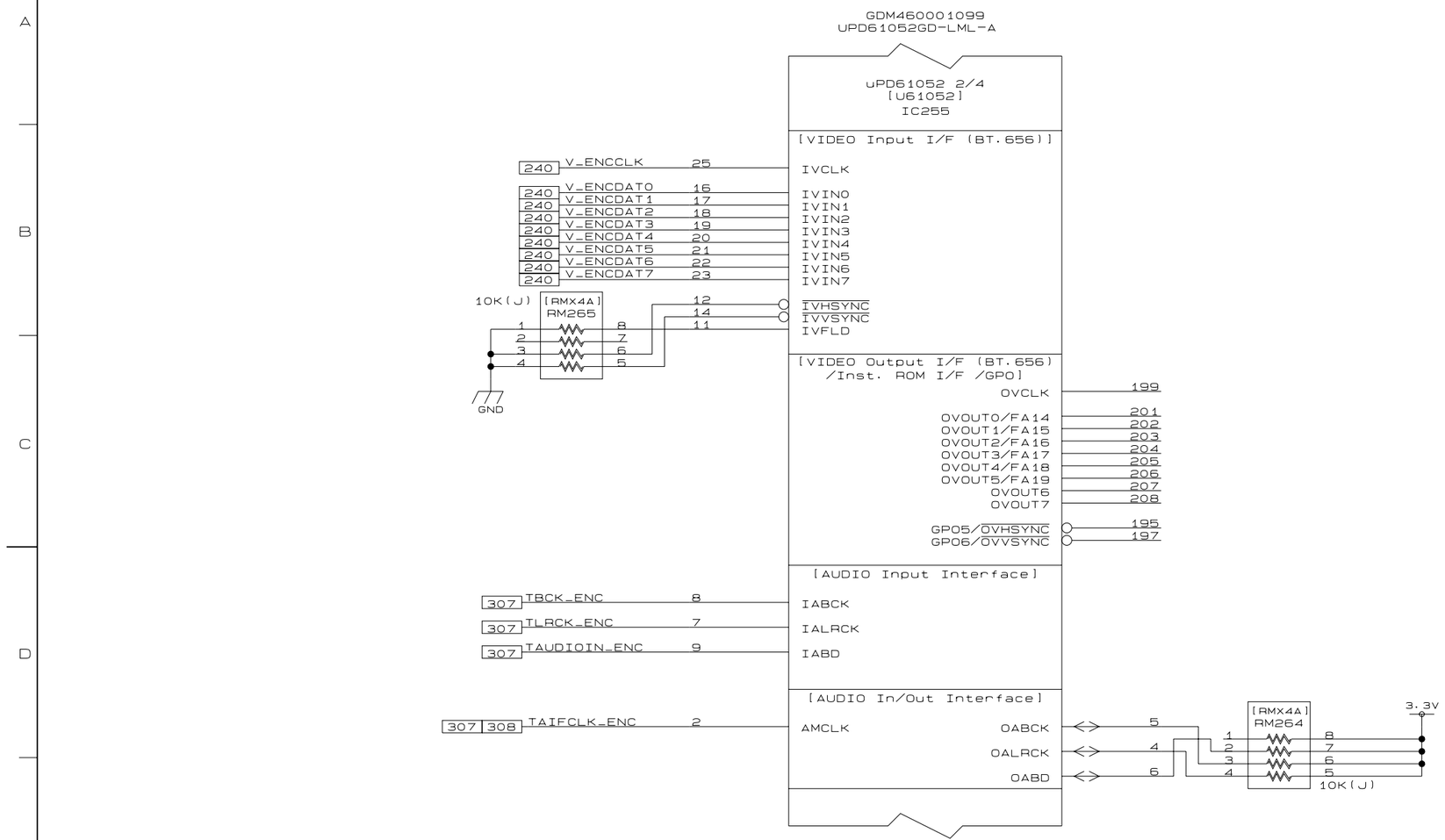
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
BS0
BS1
CLK
CKE
CSZ
RASZ
CASZ
WEZ
DQMO
DQM1
DQM2
DQM3
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DQ24
DQ25
DQ26
DQ27
DQ28
DQ29
DQ30
DQ31

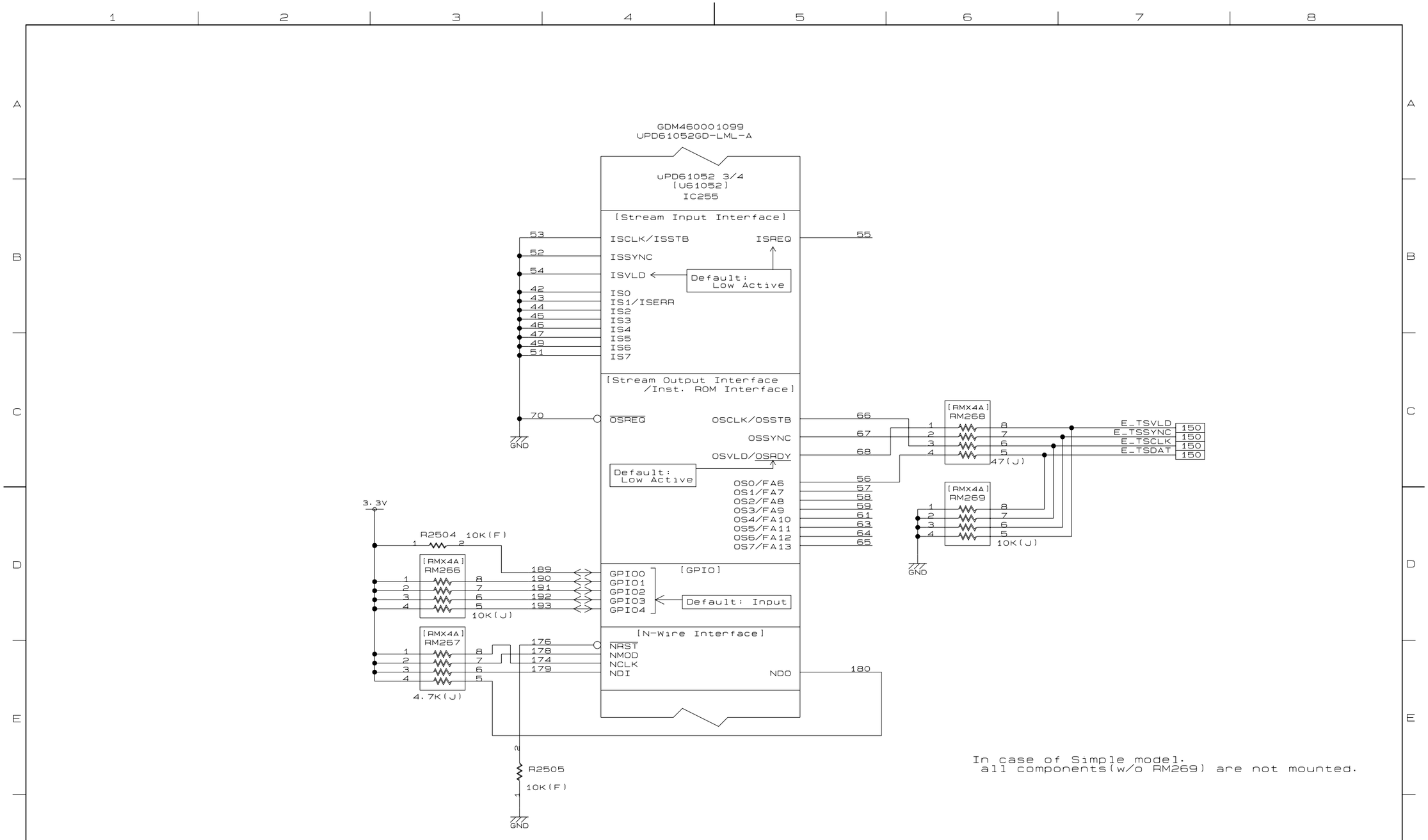
[Vcc] [Vss]
VccQ VssQ
N.C

GND

62HM95
SEINE_DIGITAL (MPEG_Enc. (CLK_SDRAM))

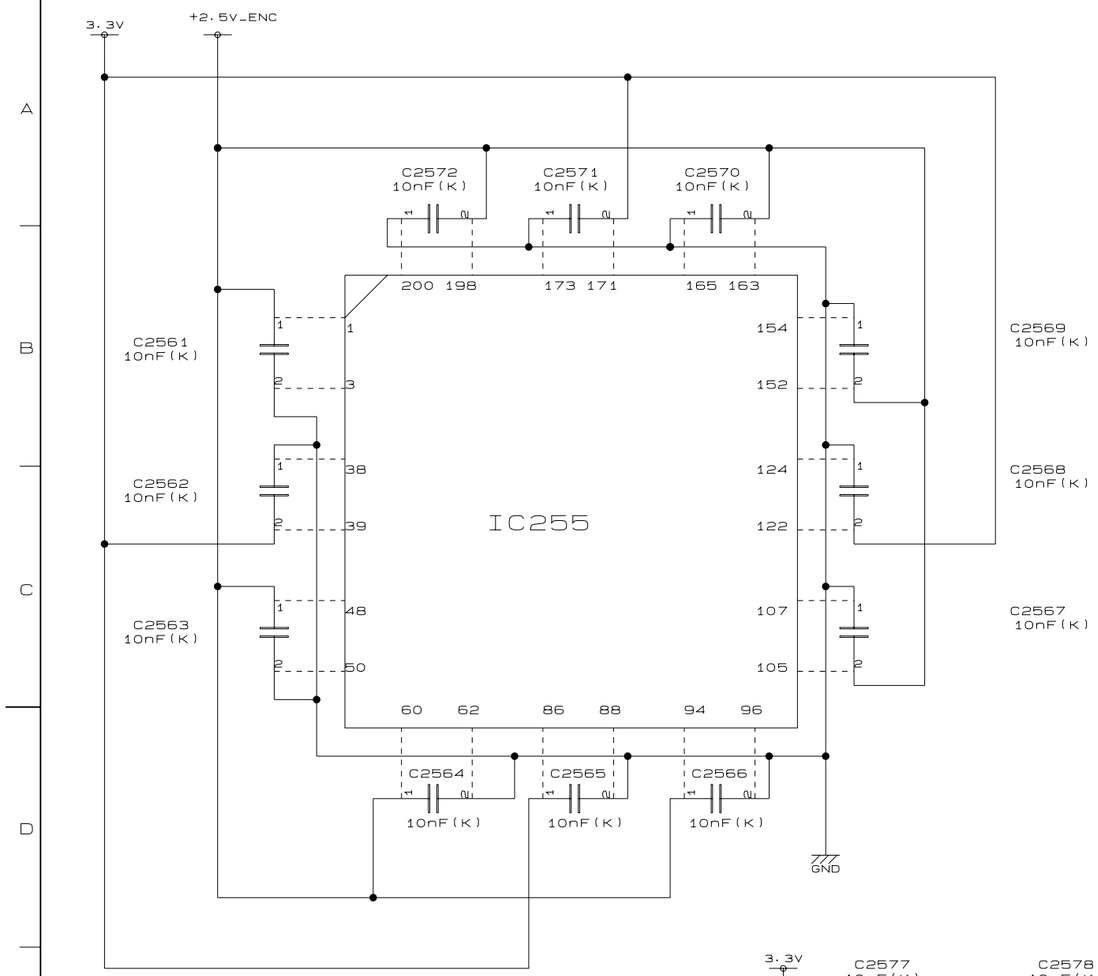
SH.NO.
250

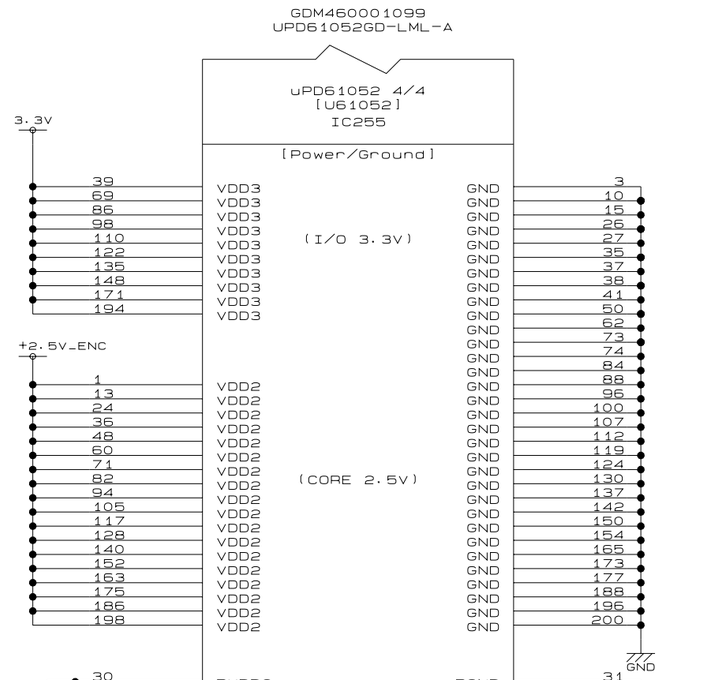

GDM460001099
UPD61052GD-LML-A
uPD61052 2/4
[U61052]
IC255
[VIDEO Input I/F (BT.656)]
IVCLK
IVIN0
IVIN1
IVIN2
IVIN3
IVIN4
IVIN5
IVIN6
IVIN7
IVHSYNC
IVVSYNC
IVFLD
[VIDEO Output I/F (BT.656)
/Inst. ROM I/F /GPO]
OVCLK
OVOUT0/FA14
OVOUT1/FA15
OVOUT2/FA16
OVOUT3/FA17
OVOUT4/FA18
OVOUT5/FA19
OVOUT6
OVOUT7
GP05/OVHSYNC
GP06/OVVSYNC
[AUDIO Input Interface]
IABCK
IALRCK
IABD
[AUDIO In/Out Interface]
AMCLK
OABCK
OALRCK
OABD
240 V_ENCCLK 25
240 V_ENCDAT0 16
240 V_ENCDAT1 17
240 V_ENCDAT2 18
240 V_ENCDAT3 19
240 V_ENCDAT4 20
240 V_ENCDAT5 21
240 V_ENCDAT6 22
240 V_ENCDAT7 23
10K(J) [RMX4A] RM265
12
14
11
GND
199
201
202
203
204
205
206
207
208
195
197
307 TBCK_ENC 8
307 TLRCK_ENC 7
307 TAUDIOIN_ENC 9
307 308 TAIFCLK_ENC 2
[RMX4A] RM264
10K(J)
3.3V
In case of Simple model.
all components are not mounted.
62HM95
SEINE_DIGITAL (MPEG_Enc. (AV_I/F))
SH.NO.
251

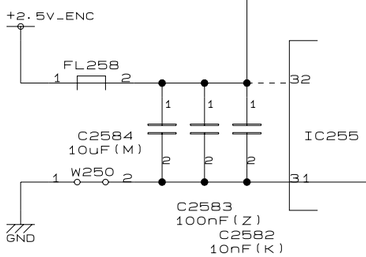


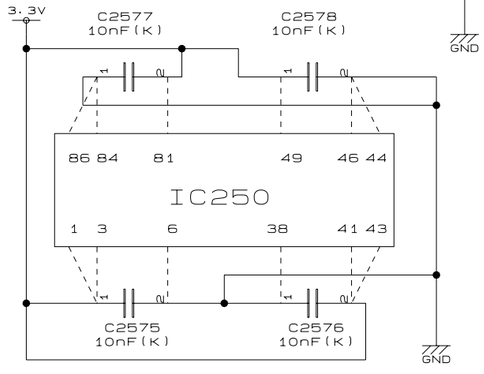
62HM95
SEINE_DIGITAL (MPEG_Enc. (STREAM_I/F))

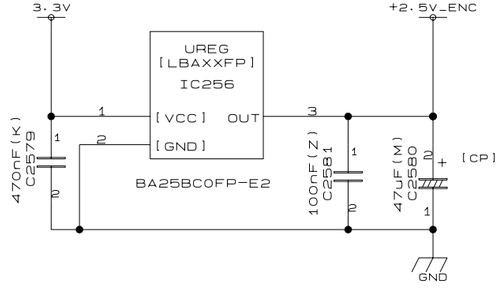
SH.NO.
252







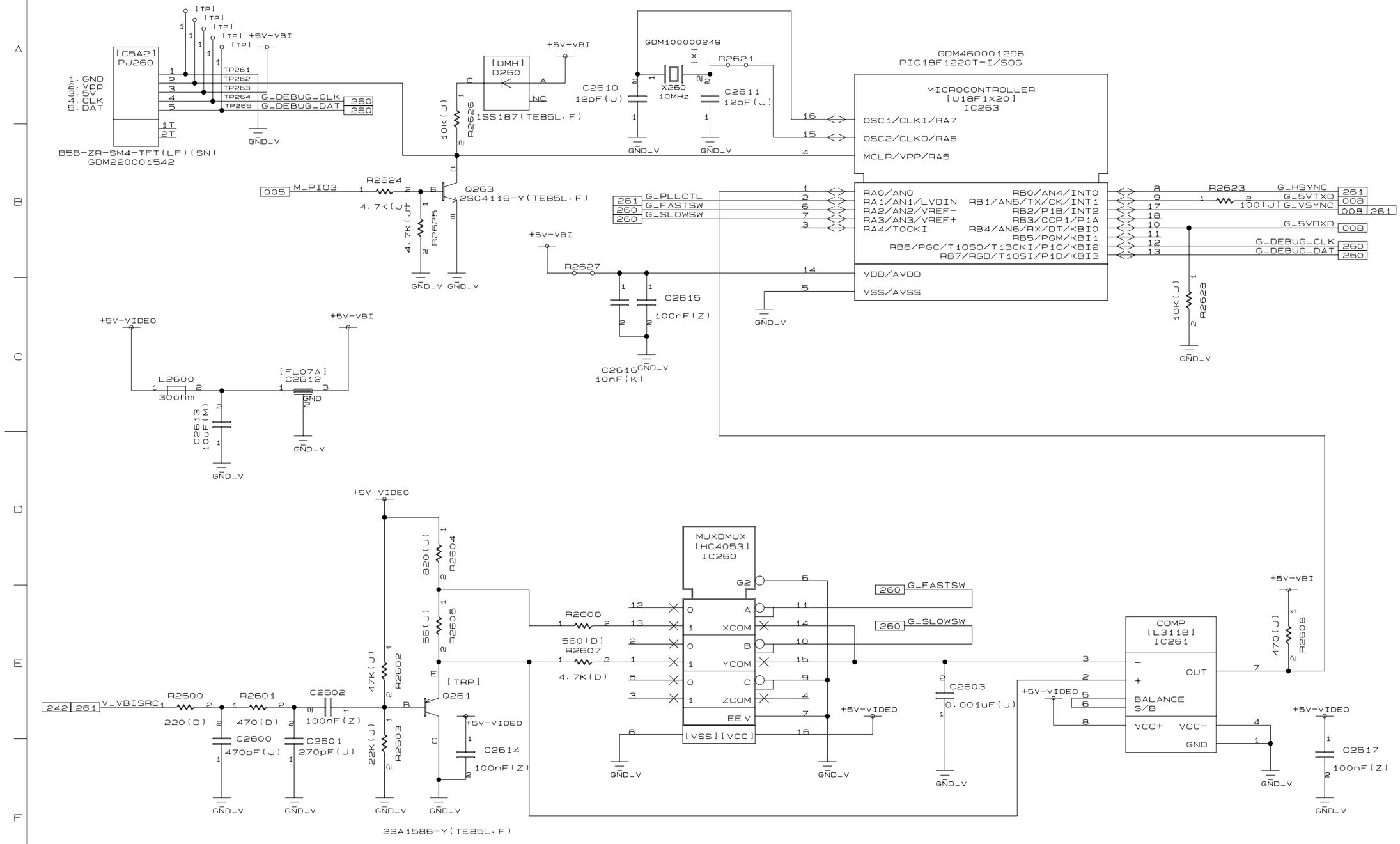




In case of Simple model.
all components are not mounted.

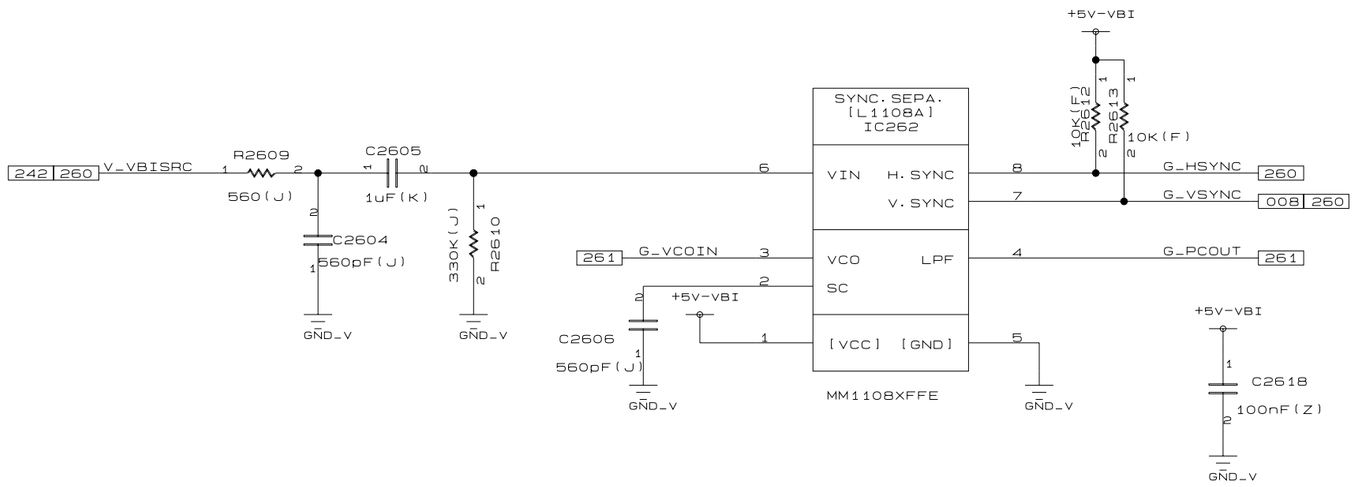
62HM95
SEINE_DIGITAL (MPEG_Enc. (POWER))

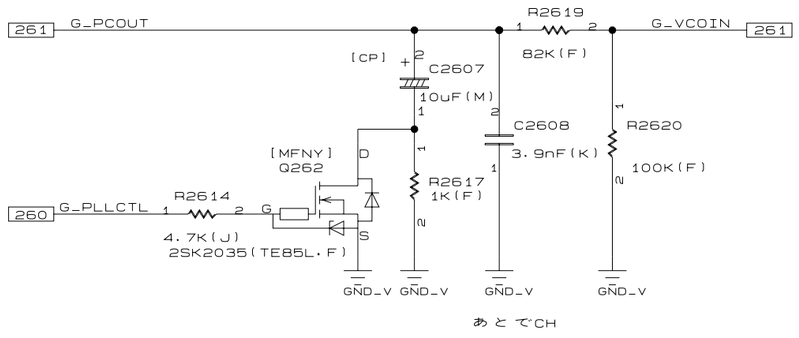
SH.NO.
253



62HM95
SEINE_DIGITAL (LPF_Slicer)

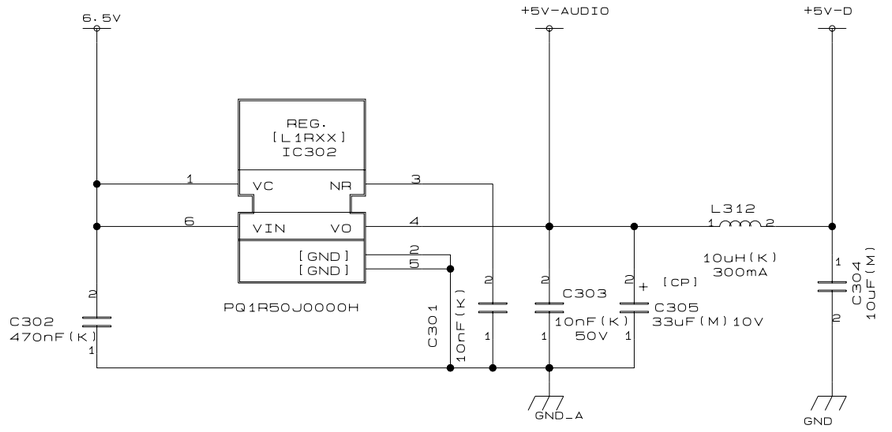
SH.NO.
260





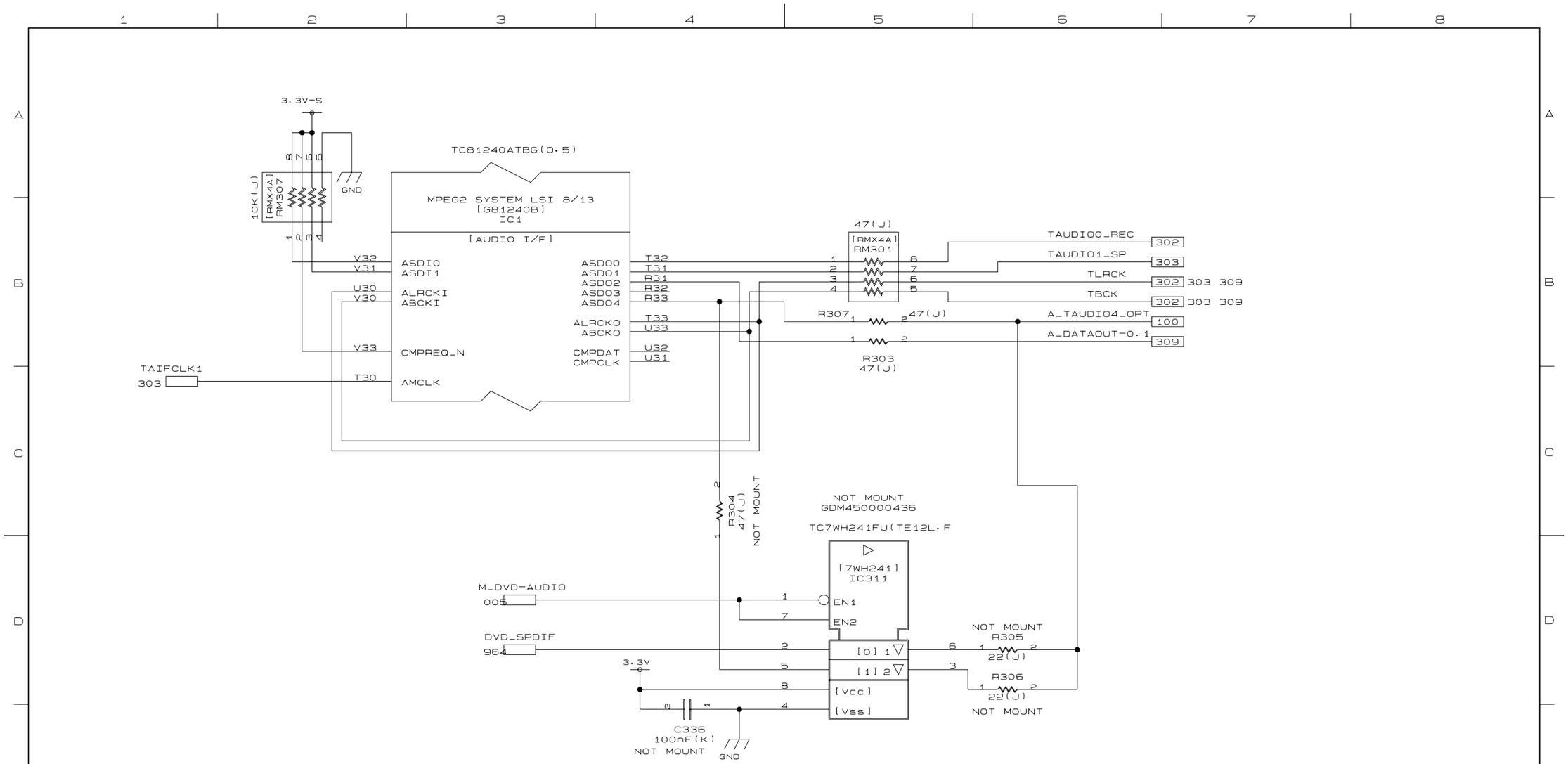
62HM95
SEINE_DIGITAL (H/V_Sync_Sep.)

SH.NO.
261



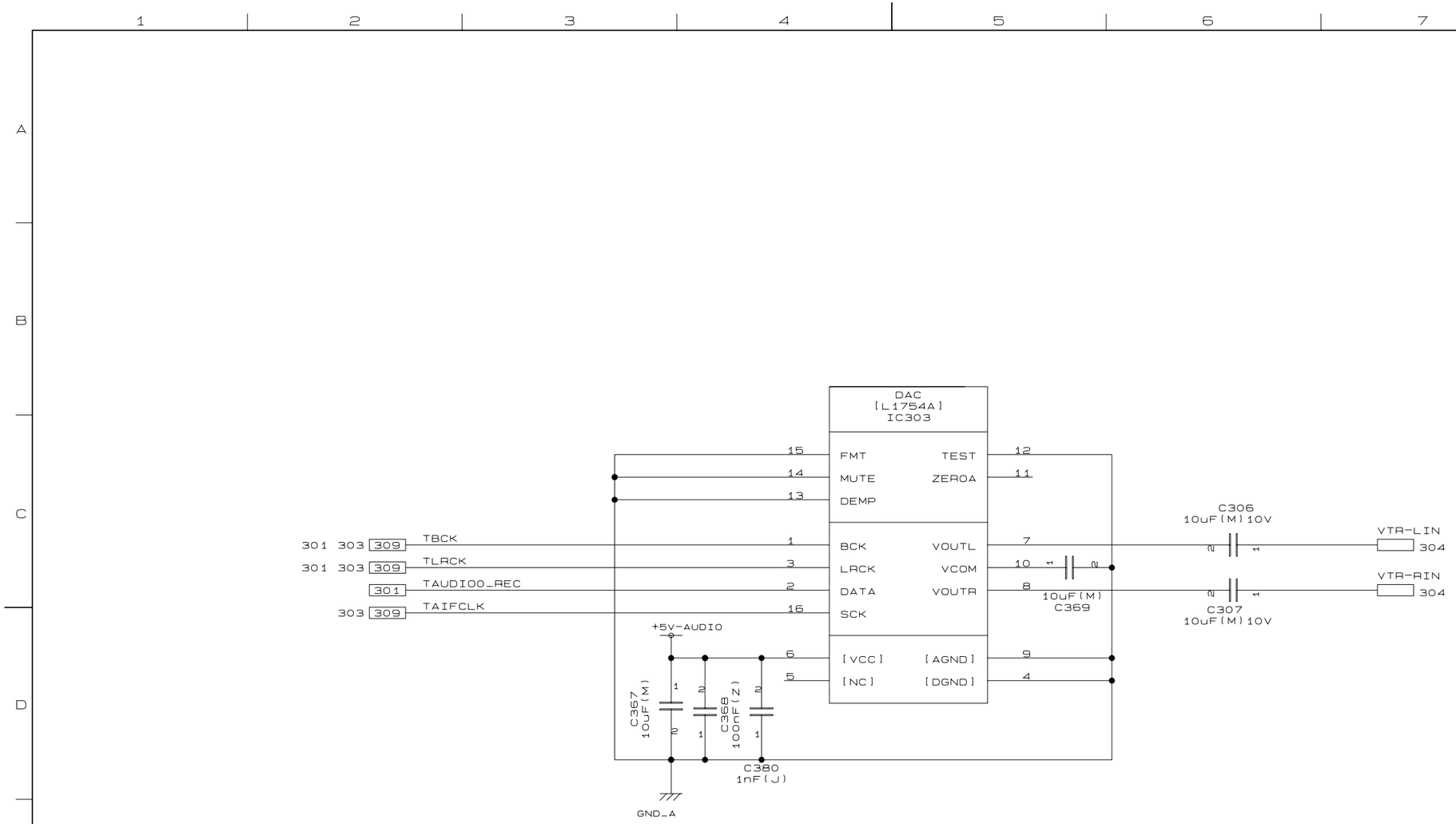
62HM95
SEINE_DIGITAL (AUDIO_POWER)

SH.NO.
300



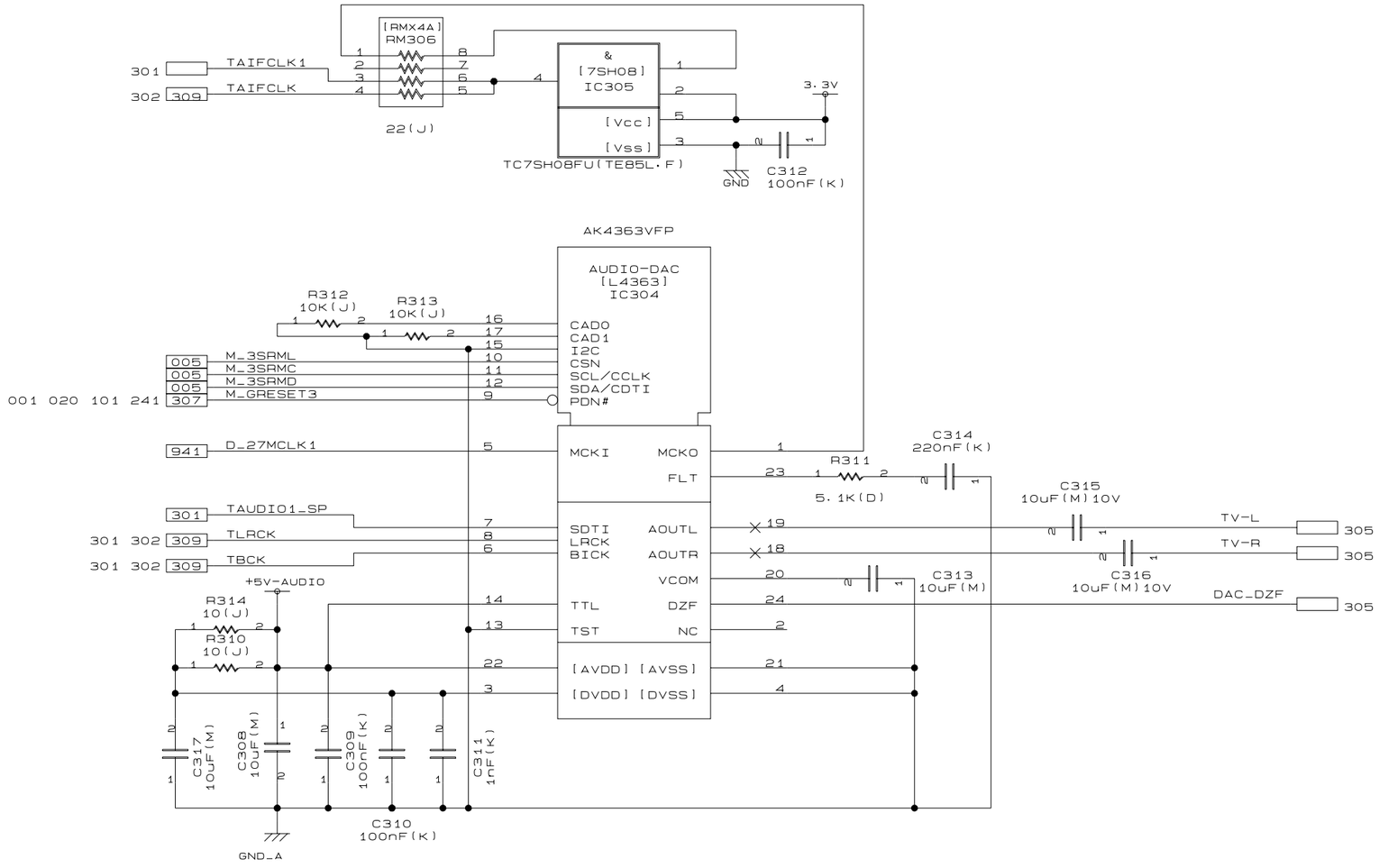
62HM95
SEINE_DIGITAL (SEINE_AUDIO_I/F)

SH.NO.
301



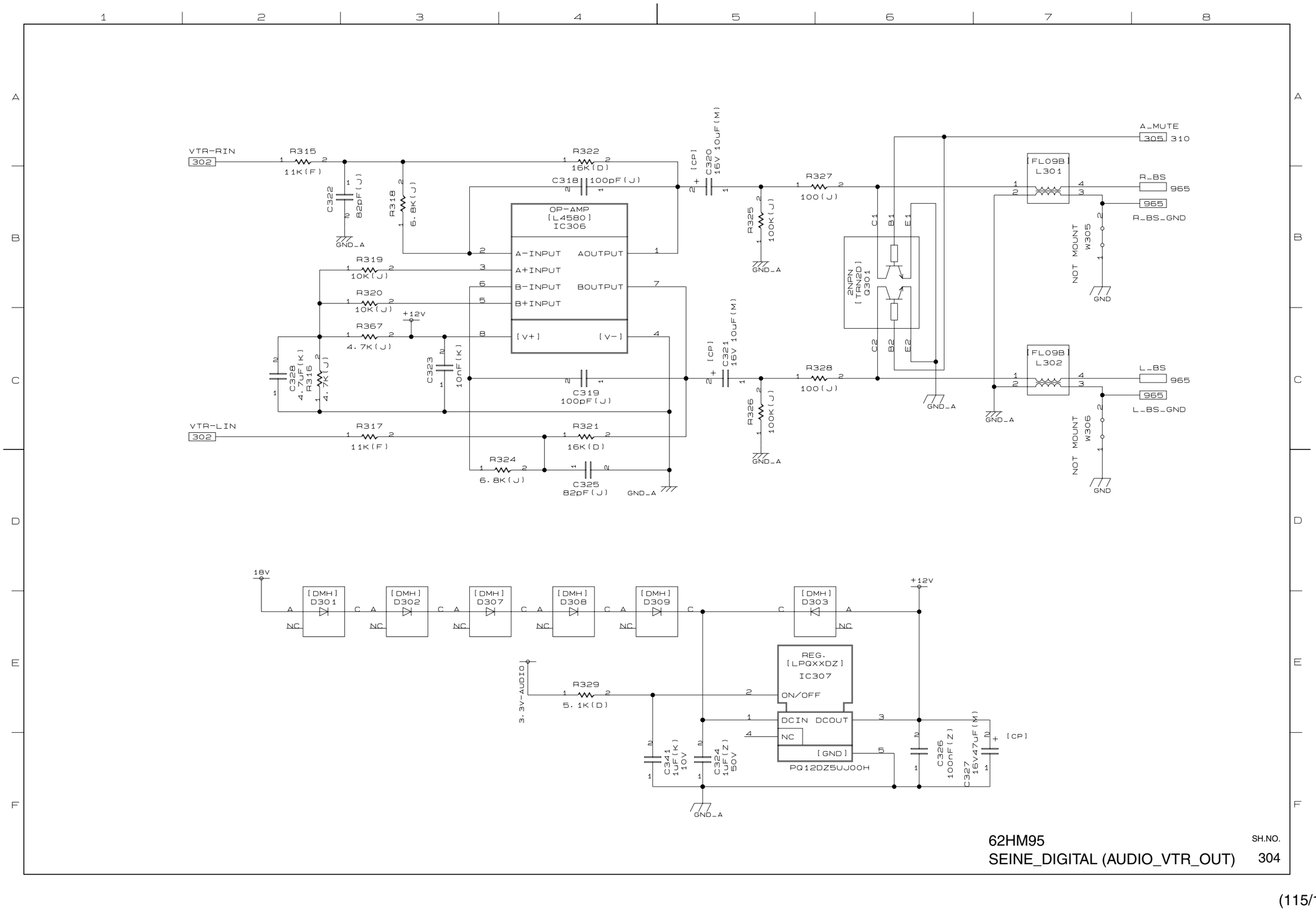
62HM95
SEINE_DIGITAL (AUDIO_DAC)

SH.NO.
302



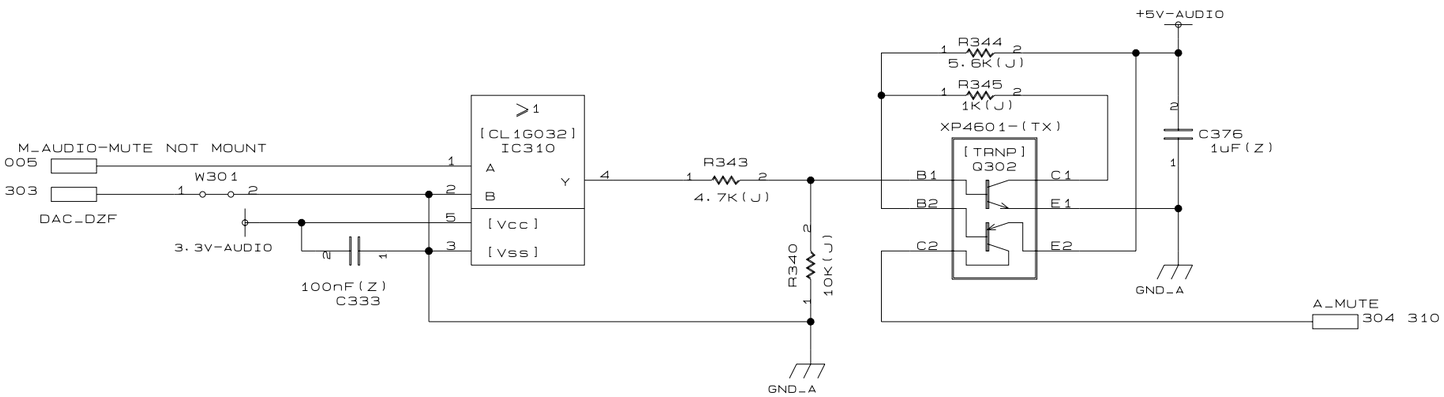
62HM95
SEINE_DIGITAL (AUDIO_PLL/DAC)

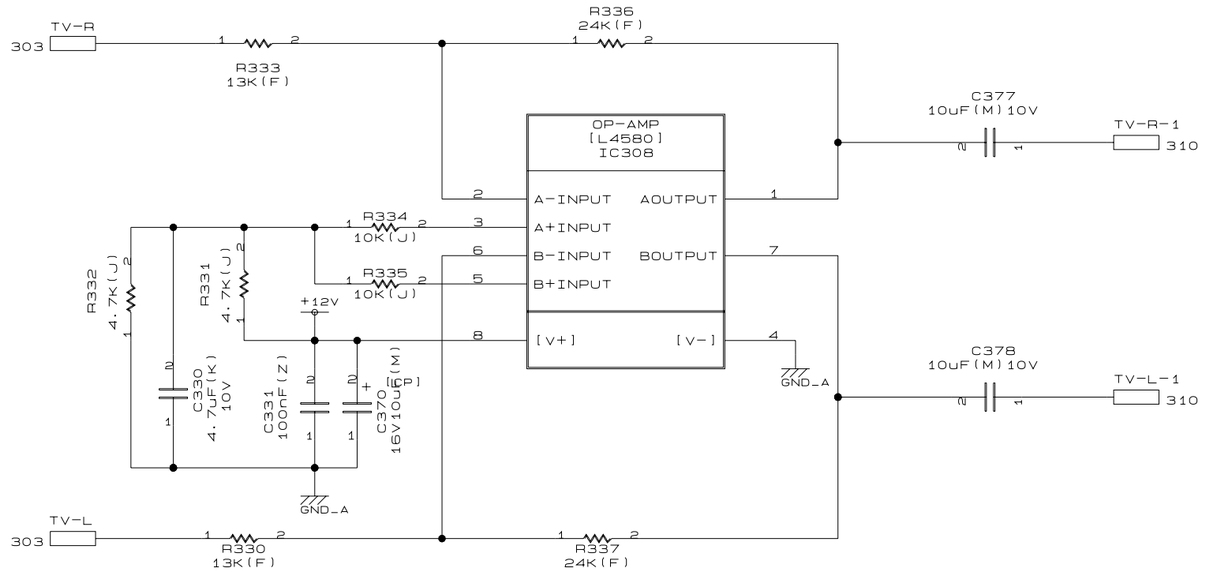
SH.NO.
303



62HM95
SEINE_DIGITAL (AUDIO_VTR_OUT)

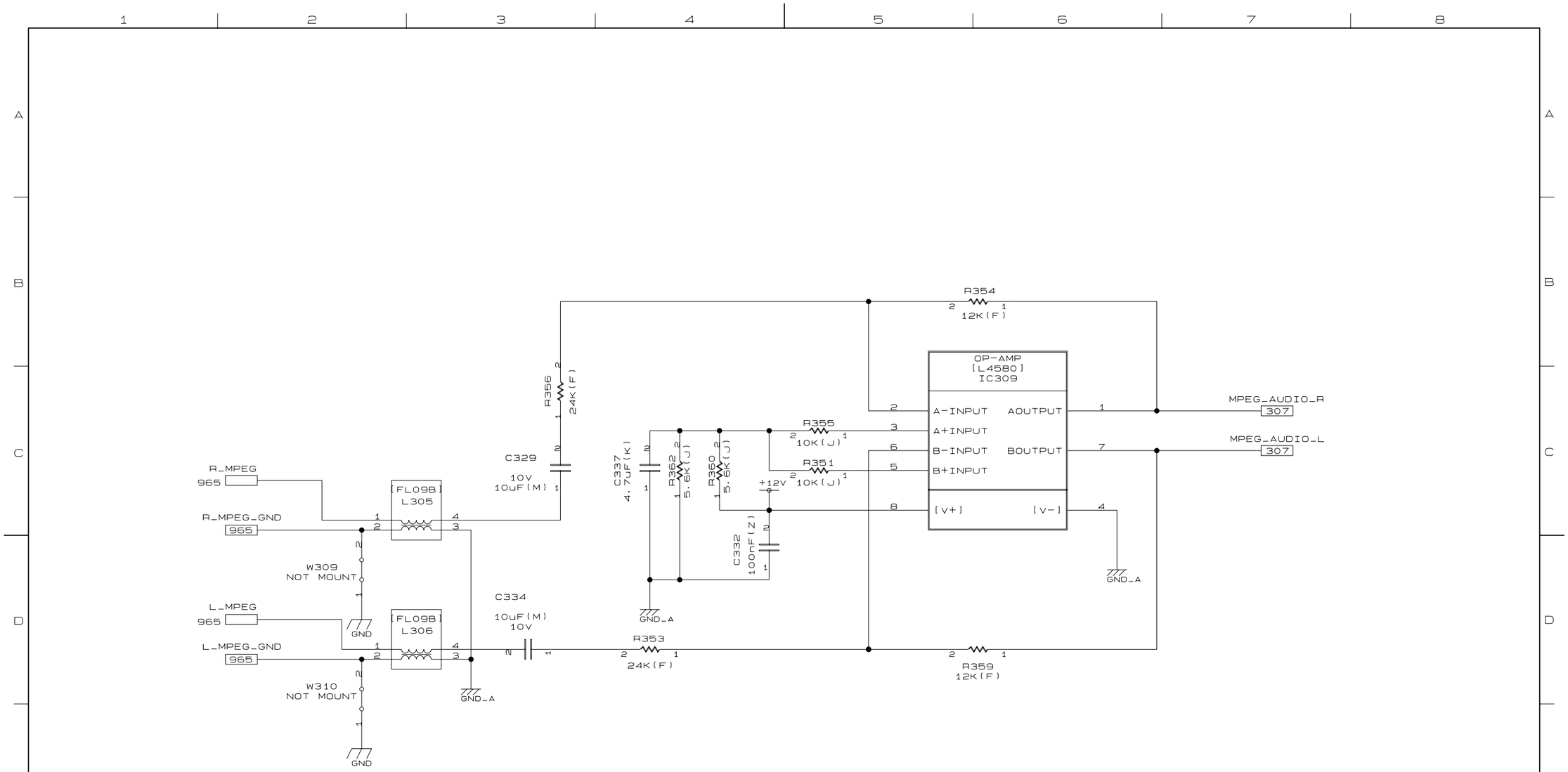
SH.NO.
304





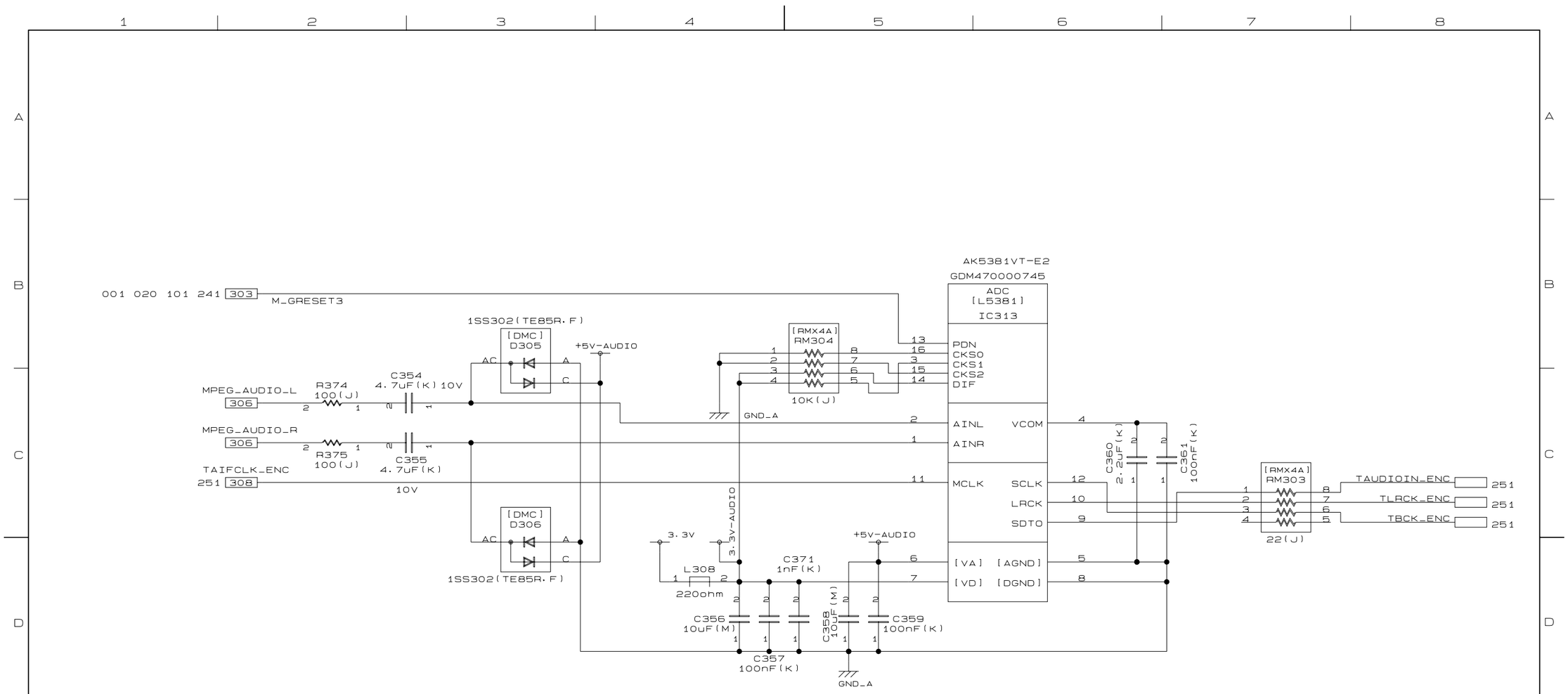
62HM95
SEINE_DIGITAL (AUDIO_SP_OUT)

SH.NO.
305



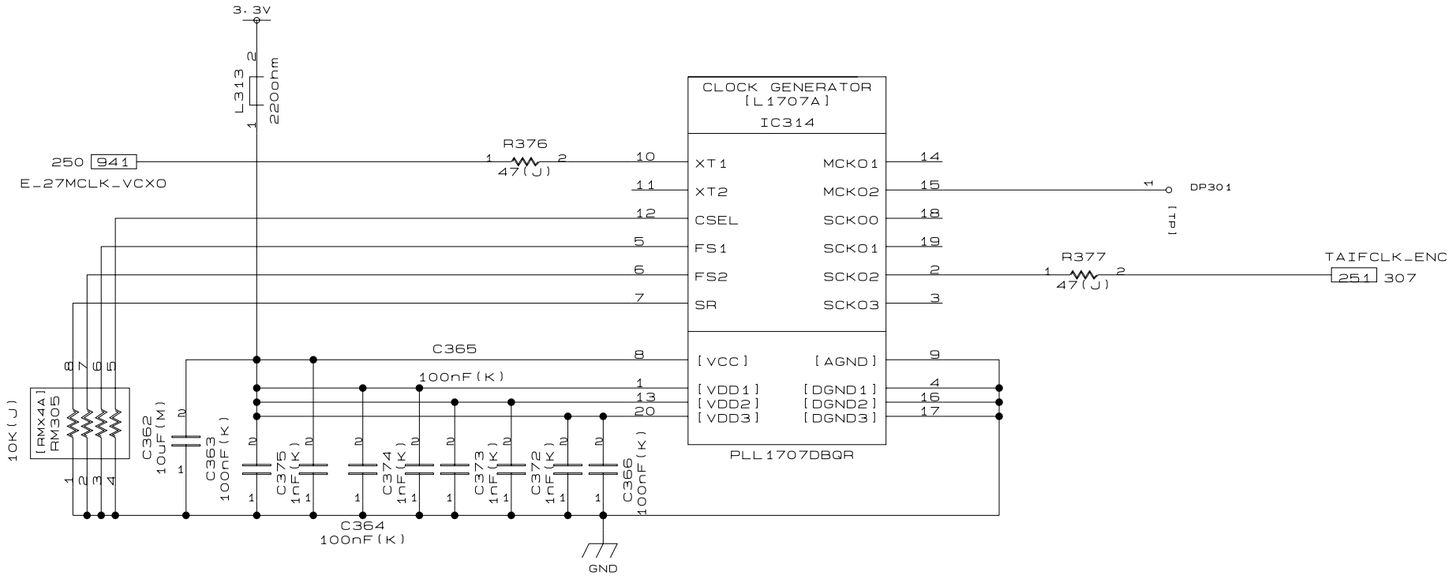
62HM95
SEINE_DIGITAL (MPEG_AUDIO_TV_IN)

SH.NO. 306



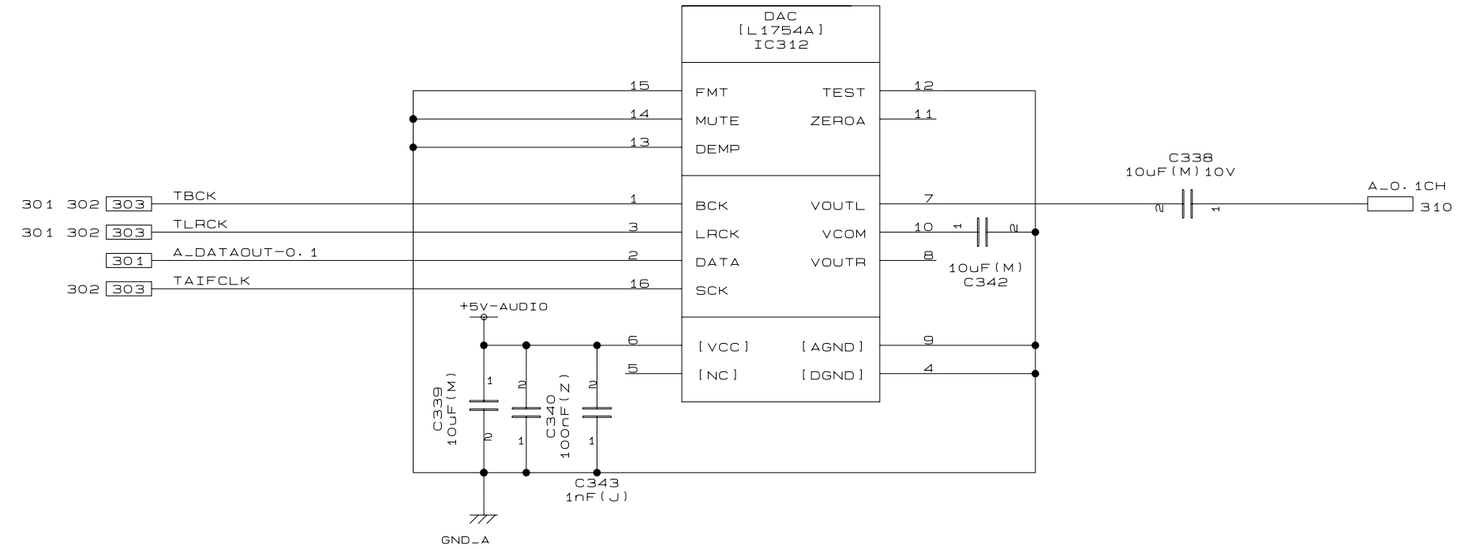
62HM95
SEINE_DIGITAL (MPEG_AUDIO_ADC)

SH.NO.
307



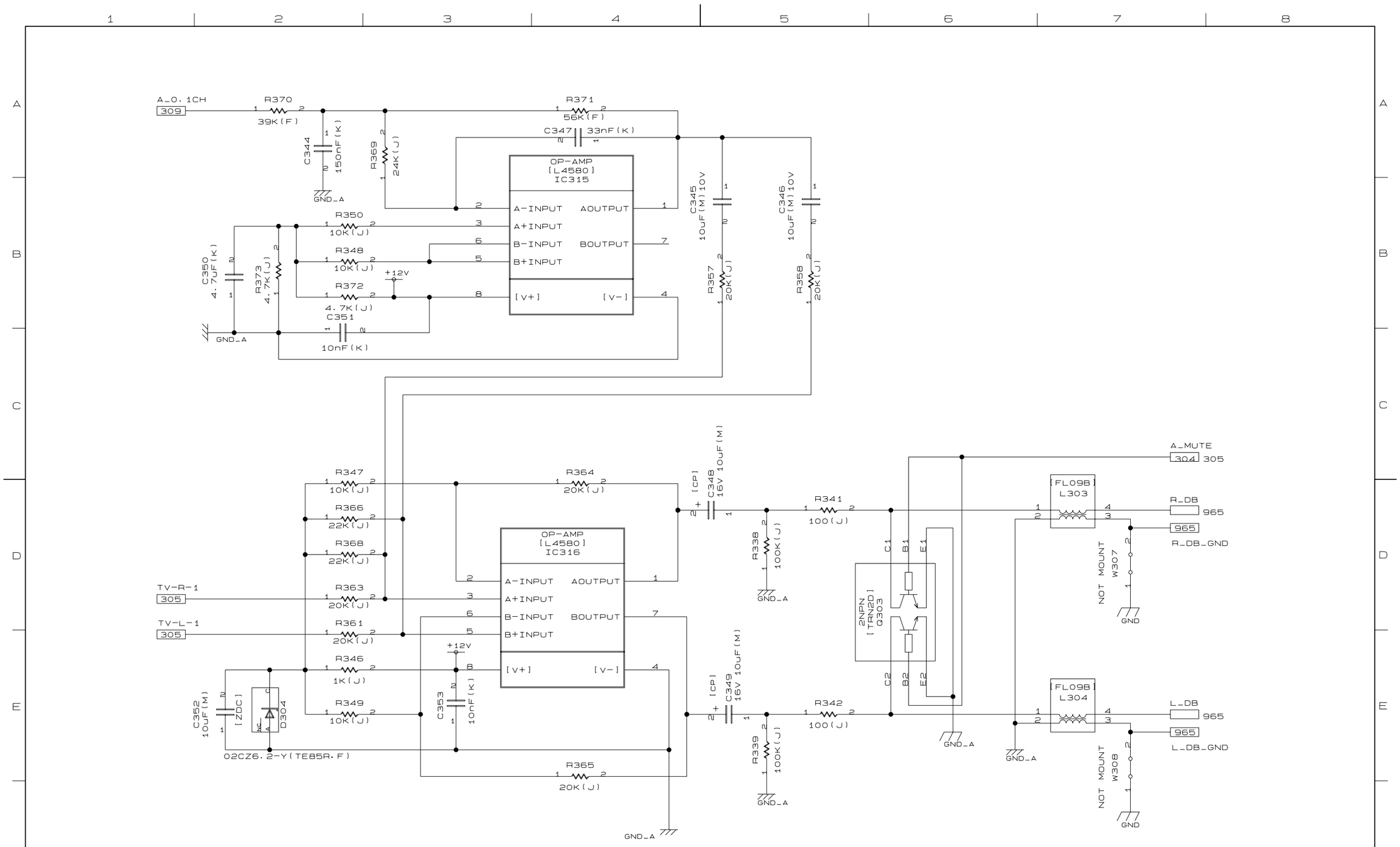
62HM95
SEINE_DIGITAL (MPEG_AUDIO_PLL)

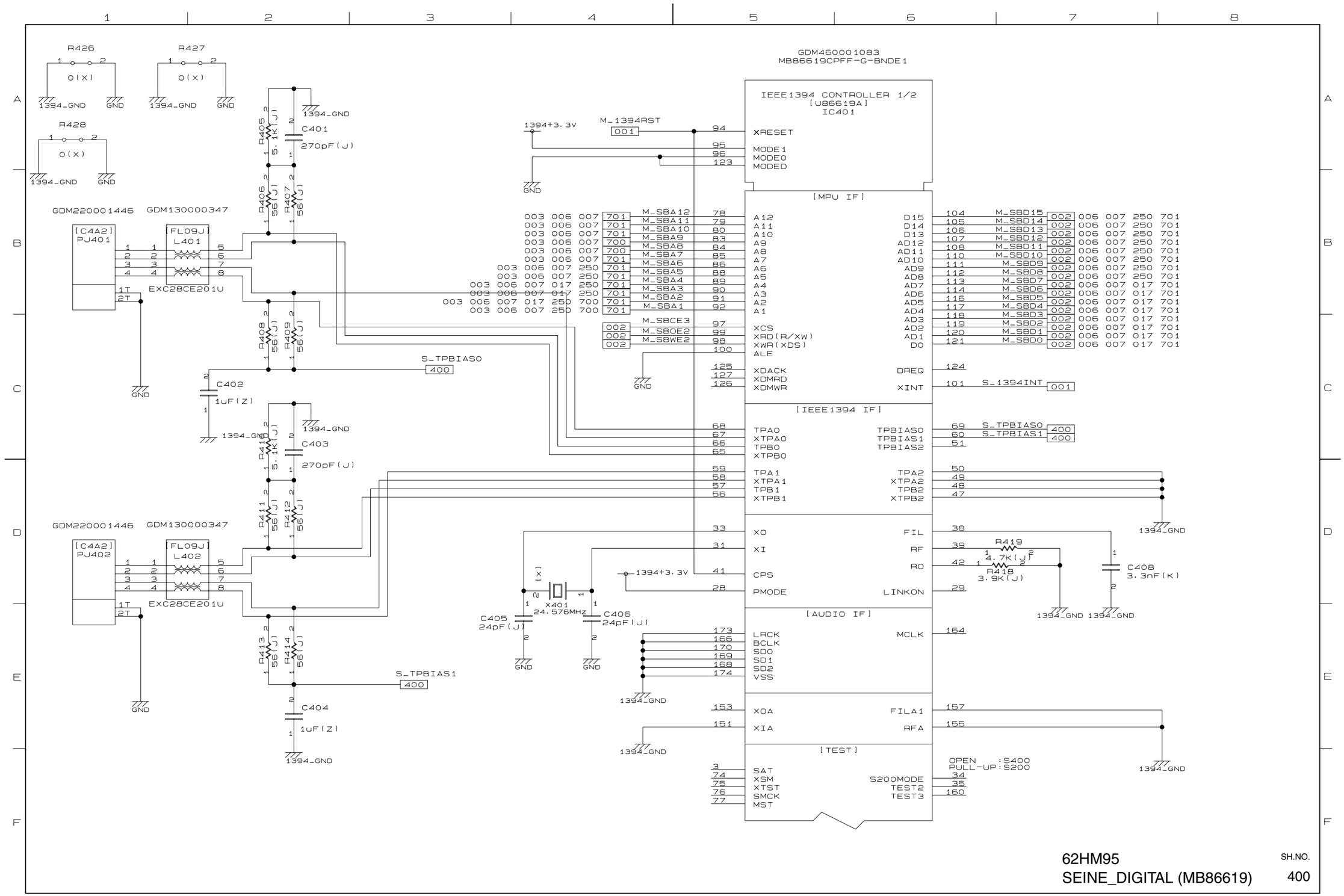
SH.NO.
308



62HM95
SEINE_DIGITAL (AUDIO_DAC_0.1CH)

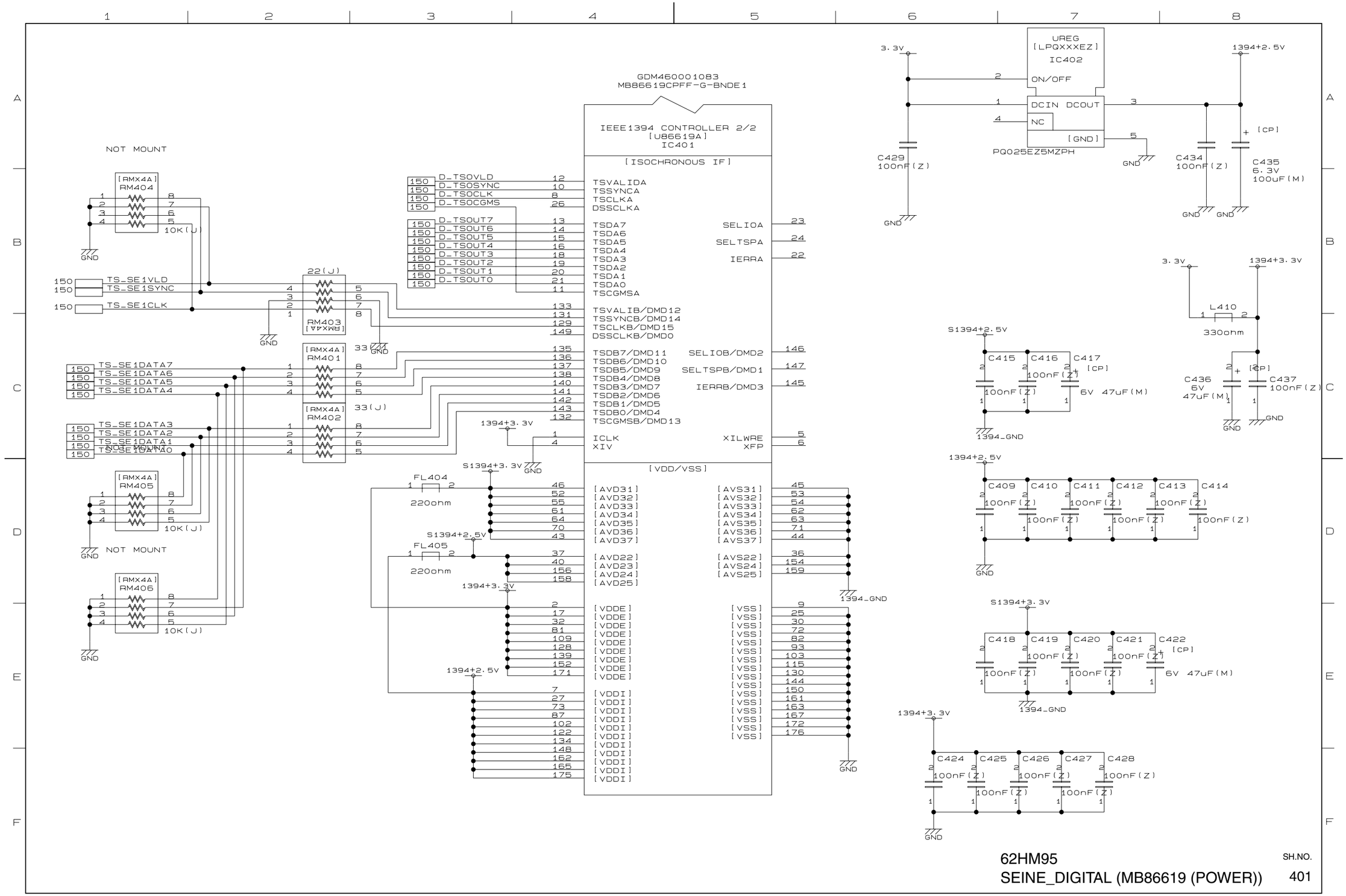
SH.NO.
309


A_0.1CH
309
R370
39K(F)
C344
150nF(K)
GND_A
R369
24K(J)
R371
56K(F)
C347 33nF(K)
OP-AMP
[L4580]
IC315
A-INPUT
A+INPUT
B-INPUT
B+INPUT
AOUTPUT
BOUTPUT
[V+]
[V-]
C345
10uF(M)10V
C346
10uF(M)10V
R350
10K(J)
R348
10K(J)
R372
4.7K(J)
+12V
C350
4.7uF(K)
R373
4.7K(J)
C351
10nF(K)
R357
20K(J)
R358
20K(J)
R347
10K(J)
R364
20K(J)
R366
22K(J)
R368
22K(J)
R363
20K(J)
R361
20K(J)
R346
1K(J)
R349
10K(J)
TV-R-1
305
TV-L-1
305
C352
10uF(M)
[ZDC]
D304
02CZ6.2-Y(TE85R.F)
C353
10nF(K)
R365
20K(J)
[CP]
C348
16V 10uF(M)
[CP]
C349
16V 10uF(M)
R341
100(J)
R342
100(J)
R338
100K(J)
R339
100K(J)
2NPN
[TRN2D]
Q303
C1
B1
E1
C2
B2
E2
A_MUTE
304
305
[FL09B]
L303
R_DB
965
965
R_DB_GND
NOT MOUNT
W307
GND
[FL09B]
L304
L_DB
965
965
L_DB_GND
NOT MOUNT
W308
GND
62HM95
SEINE_DIGITAL (AUDIO_VTR_OUT)
SH.NO.
310



62HM95
SEINE_DIGITAL (MB86619)

SH.NO.
400



62HM95
SEINE_DIGITAL (MB86619 (POWER))

SH.NO.
401

GDM450000528

[G95144TQ144]
IC701

[RMX4A]
RM706

004 JTAG_TDI 1 — 8
004 JTAG_TMS 2 — 7
004 JTAG_TCK 3 — 6
004 JTAG_TDO 4 — 5
22(J)

002 M_SBCLKO — 30 IO/GCK1
703 P_PODCLK — 32 IO/GCK2
38 IO/GCK3
5 IO/GTS1
6 IO/GTS2
2 IO/GTS3
3 IO/GTS4
001 M_PODRST — 143 IO/GSR

67 TCK
63 TDI
122 TDO
65 TMS

101 DEMO_D7 — 4 I/0001
101 DEMO_D6 — 7 I/0002
101 DEMO_D5 — 9 I/0003
101 DEMO_D4 — 10 I/0004
11 I/0005
form TUNER
101 DEMO_D3 — 12 I/0006
101 DEMO_D2 — 13 I/0007
101 DEMO_D1 — 14 I/0008
101 DEMO_D0 — 15 I/0009
16 I/0010
17 I/0011
19 I/0012
20 I/0013
21 I/0014
703 P_TSDAT0 — 22 I/0015
703 P_TSDAT1 — 23 I/0016
703 P_TSDAT2 — 24 I/0017
703 P_TSDAT3 — 25 I/0018
703 P_TSDAT4 — 26 I/0019
703 P_TSDAT5 — 27 I/0020
703 P_TSDAT6 — 28 I/0021
703 P_TSDAT7 — 31 I/0022
101 DEMO_SYC — 703 P_TSSYNC — 33 I/0023
101 DEMO_VAL — 703 P_TSVLD — 34 I/0024
101 DEMO_ERR — 703 P_TSCLK — 35 I/0025
101 DEMO_CLK — 39 I/0026
40 I/0027
101 POD_CRX — 703 P_PODSBD0 — 41 I/0028
101 POD_DRX — 703 P_PODSBD1 — 43 I/0029
to POD — 703 P_PODSBD2 — 44 I/0030
22(J) R728 — 703 P_PODSBD3 — 45 I/0031
703 P_PODSBD4 — 46 I/0032
M_UATXD3_SW 009 — 703 P_PODSBD5 — 48 I/0033
M_UARXD3_SW 009 — 703 P_PODSBD6 — 49 I/0034
22(J) R729 — 703 P_PODSBD7 — 50 I/0035
to G-LINK buffer — 703 P_PODCE1 — 51 I/0036
703 P_PODCE2 — 52 I/0037
to POD — 703 P_PODWE — 53 I/0038
703 P_PODOE — 54 I/0039
703 P_PODRST — 56 I/0040
703 P_PODIORD — 57 I/0041
703 P_PODIOWR — 58 I/0042
703 P_REG — 59 I/0043
703 P_PODSBA0 — 60 I/0044
703 P_PODSBA8 — 61 I/0045
703 P_PODSBA9 — 64 I/0046
66 I/0047

3.3V
8 VCCINT
42 VCCINT
84 VCCINT
141 VCCINT
1 VCCIO
37 VCCIO
55 VCCIO
73 VCCIO
109 VCCIO
127 VCCIO

GND 18
29
36
47
62
72
89
90
99
108
114
123
144

XC95144XL-10TQG144C-H95

I/0048 68 P_IREQ — 703
I/0049 69 P_WAIT — 703
I/0050 70 P_CD1 — 703
I/0051 71 P_CD2 — 703
I/0052 74 P_VS1 — 703
I/0053 75 P_VS2 — 703
I/0054 76 P_PODTS0 — 703
I/0055 77 P_PODTS1 — 703
I/0056 78 P_PODTS2 — 703
I/0057 79 P_PODTS3 — 703
I/0058 80 P_PODTS4 — 703
I/0059 81 P_PODTS5 — 703
I/0060 82 P_PODTS6 — 703
I/0061 83 P_PODTS7 — 703
I/0062 85 P_PODSYNC — 703
I/0063 86 P_PODVLD — 703
I/0064 87
I/0065 88 P_BUS0 — 701
I/0066 91 P_BUS1 — 701
I/0067 92 P_DIR — 701
I/0068 93 P_CARDEN — 701
I/0069 94 P_PLDSBD0 — 701
I/0070 95 P_PLDSBD1 — 701
I/0071 96 P_PLDSBD2 — 701
I/0072 97 P_PLDSBD3 — 701
I/0073 98 P_PLDSBD4 — 701
I/0074 100 P_PLDSBD5 — 701
I/0075 101 P_PLDSBD6 — 701
I/0076 102 P_PLDSBD7 — 701
I/0077 103 M_SBA1 — 003 006 007 250 400 701
I/0078 104 M_SBA8 — 003 006 007 400
I/0079 105 M_SBA9 — 003 006 007 400
I/0080 106 M_SBA16 — 003 006
I/0081 107 M_SBBE0 — 002
I/0082 110 M_SBBE1 — 002
I/0083 111 M_SBCE6 — 002
I/0084 112 M_SBWE3 — 002 017
I/0085 113 M_SBOE3 — 002 017
I/0086 115 M_SBA2 — 003 006 007 017 250 400 701
I/0087 116
I/0088 117 M_SBA0K — 002
I/0089 118 2 — 1 M_PODINT — 001
R727 22(J)
I/0090 119
I/0091 120
I/0092 121
I/0093 124
I/0094 125
I/0095 126
I/0096 128
I/0097 129
I/0098 130
I/0099 131
I/0100 132
I/0101 133
I/0102 134 M_SBCE2 — 002
I/0103 135 P_CTL0 — 702
I/0104 136 P_CTL1 — 702
I/0105 137 M_SBWE4 — 002
I/0106 138 M_SBOE4 — 002
I/0107 139
I/0108 140
I/0109 142

from POD

to Buffer

from Buffer

from SEINE

to SEINE

to POD power comtroller

[RMX4A]
RM727
33(J)
8 — 1 E_ENCWE — 250
7 — 2 E_ENCOE — 250
6 — 3 E_ENCCE — 250
5 — 4

[RMX4A]
RM701
22(J) TS_SE0DATA0 — 150
4 — 5 TS_SE0DATA1 — 150
3 — 6 TS_SE0DATA2 — 150
2 — 7 TS_SE0DATA3 — 150
1 — 8

to SEINE(TS Selector)

[RMX4A]
RM702
22(J) TS_SE0DATA4 — 150
4 — 5 TS_SE0DATA5 — 150
3 — 6 TS_SE0DATA6 — 150
2 — 7 TS_SE0DATA7 — 150
1 — 8

[RMX4A]
RM703
22(J) TS_SE0CLK — 150
4 — 5 TS_SE0SYNC — 150
3 — 6 TS_SE0VLD — 150
2 — 7 TS_SE0ERR — 150
1 — 8

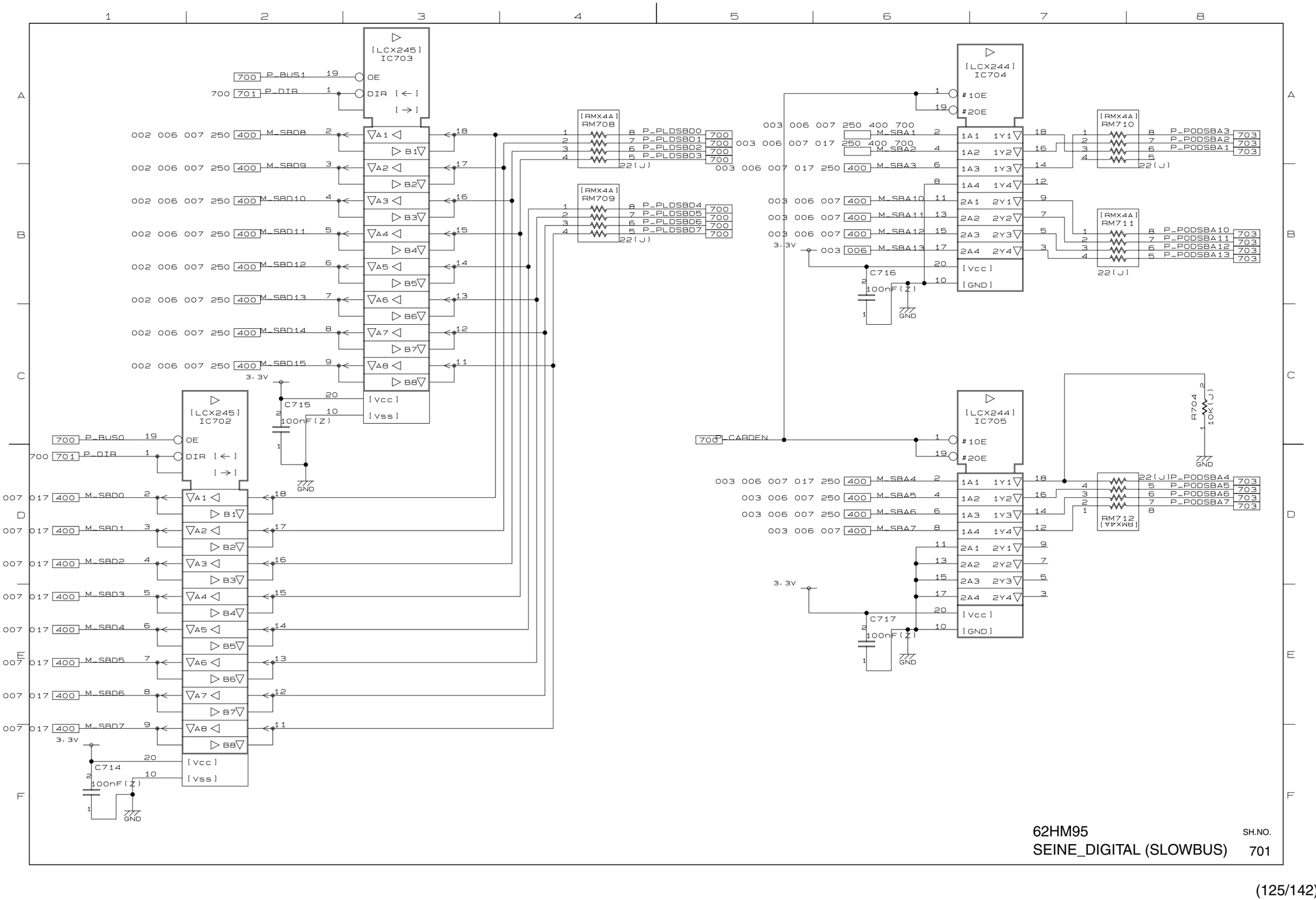
3.3V

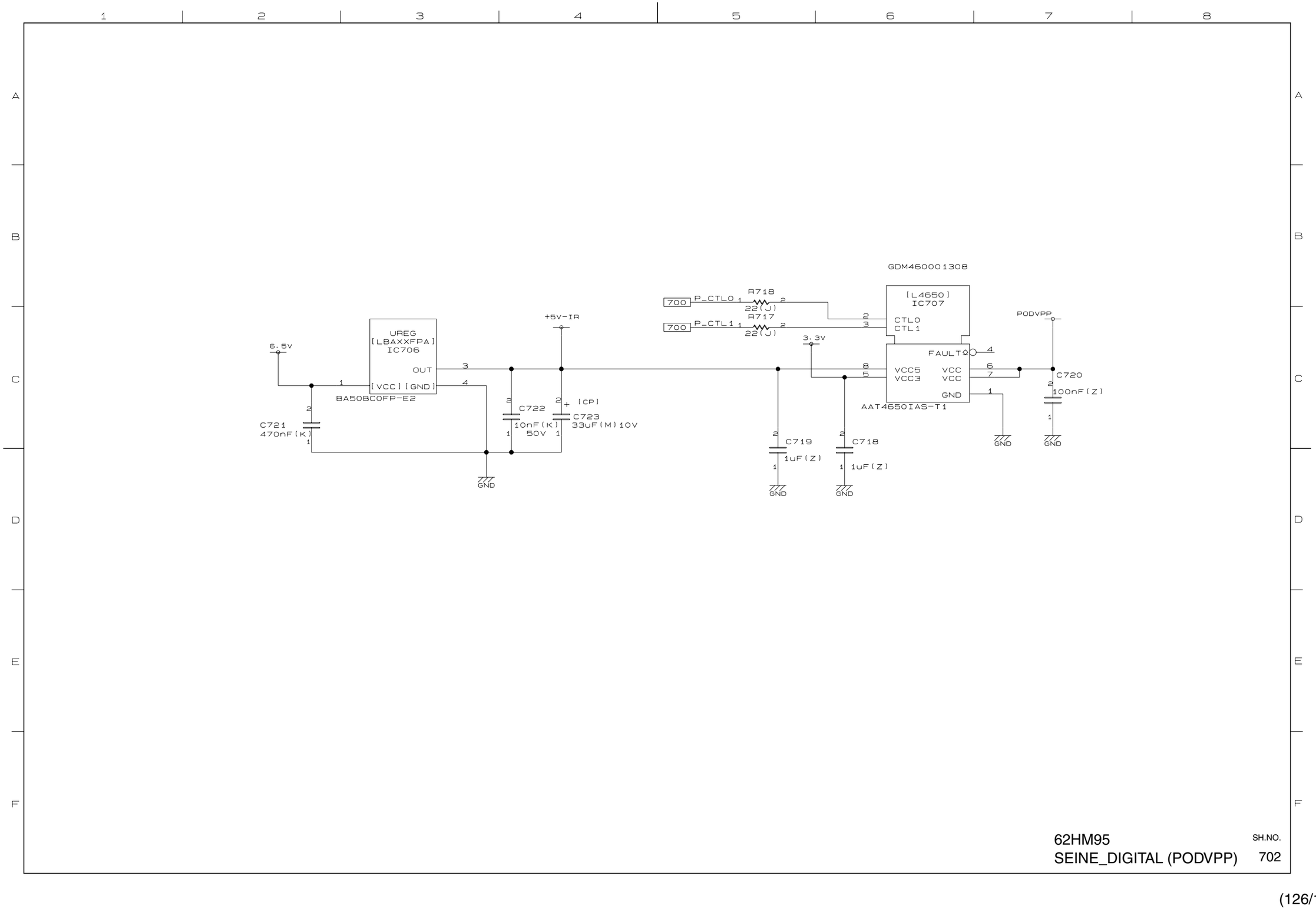
C704 C705 C706 C707 C708 C709 C710 C711 C712 C713
100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z) 100nF(Z)

GND

62HM95
SEINE_DIGITAL (CPLD_XILINX)

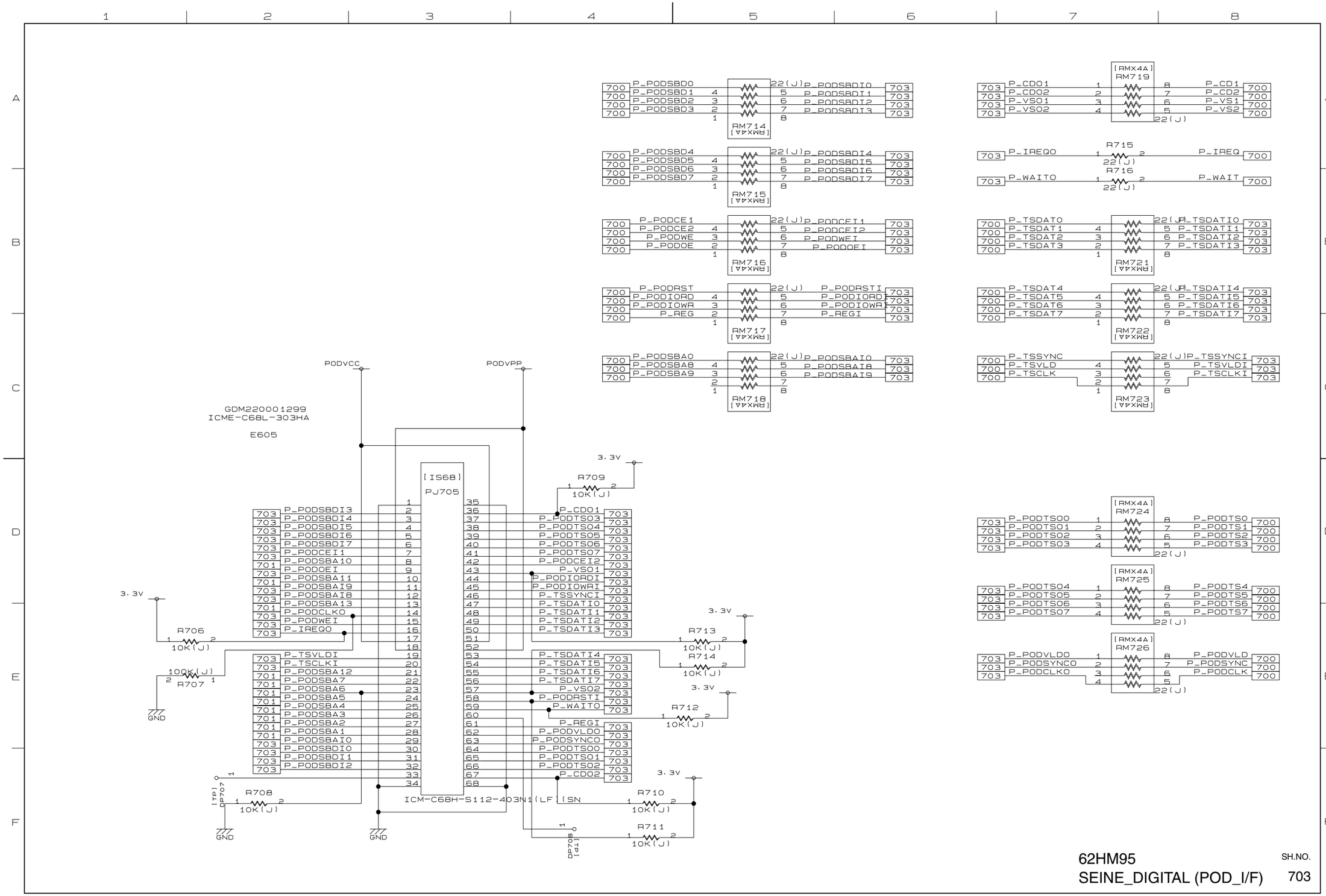
SH.NO.
700


[LCX245] IC703
[LCX245] IC702
[LCX244] IC704
[LCX244] IC705
[RMX4A] RM708
[RMX4A] RM709
[RMX4A] RM710
[RMX4A] RM711
[RMX4A] RM712
P_BUS1
P_DIR
P_BUS0
P_CARDEN
M_SBD0
M_SBD1
M_SBD2
M_SBD3
M_SBD4
M_SBD5
M_SBD6
M_SBD7
M_SBD8
M_SBD9
M_SBD10
M_SBD11
M_SBD12
M_SBD13
M_SBD14
M_SBD15
M_SBA1
M_SBA2
M_SBA3
M_SBA4
M_SBA5
M_SBA6
M_SBA7
M_SBA10
M_SBA11
M_SBA12
M_SBA13
P_PLDSBD0
P_PLDSBD1
P_PLDSBD2
P_PLDSBD3
P_PLDSBD4
P_PLDSBD5
P_PLDSBD6
P_PLDSBD7
P_PODSBA1
P_PODSBA2
P_PODSBA3
P_PODSBA4
P_PODSBA5
P_PODSBA6
P_PODSBA7
P_PODSBA10
P_PODSBA11
P_PODSBA12
P_PODSBA13
C715
C716
C717
C714
100nF(Z)
R704
10K(J)
22(J)
3.3V
GND
62HM95
SEINE_DIGITAL (SLOWBUS)
SH.NO.
701



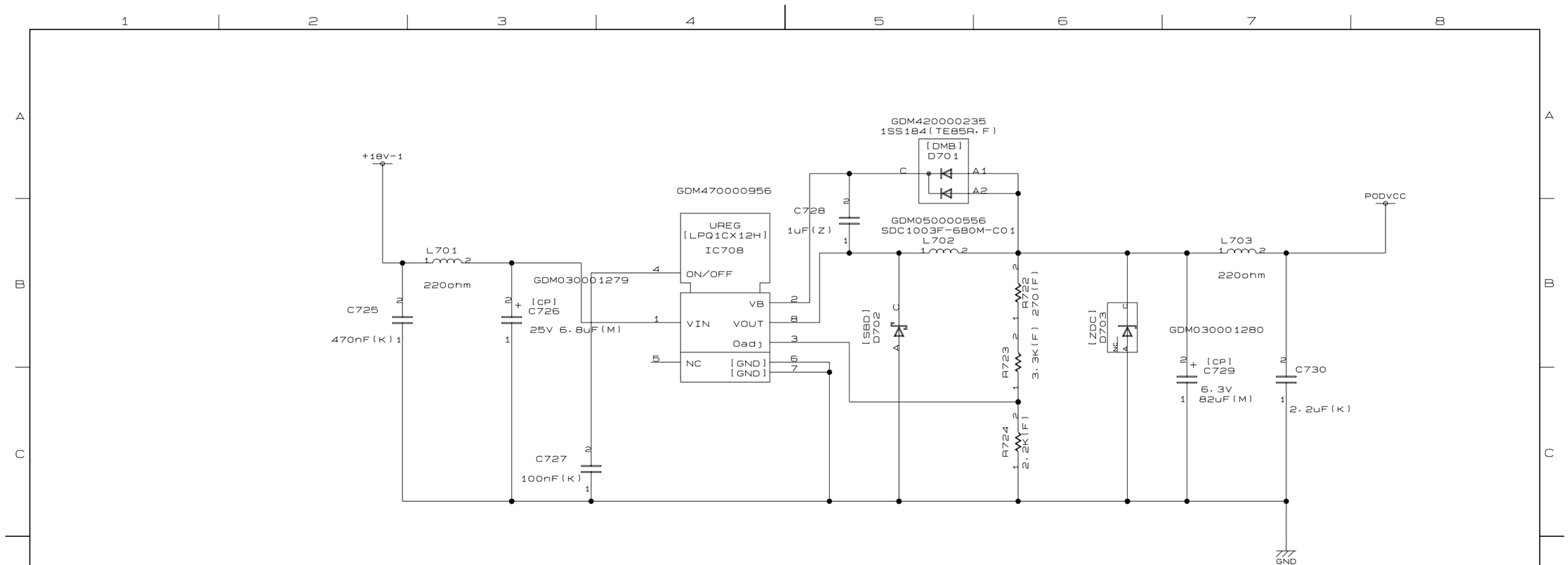
62HM95
SEINE_DIGITAL (PODVPP)

SH.NO.
702



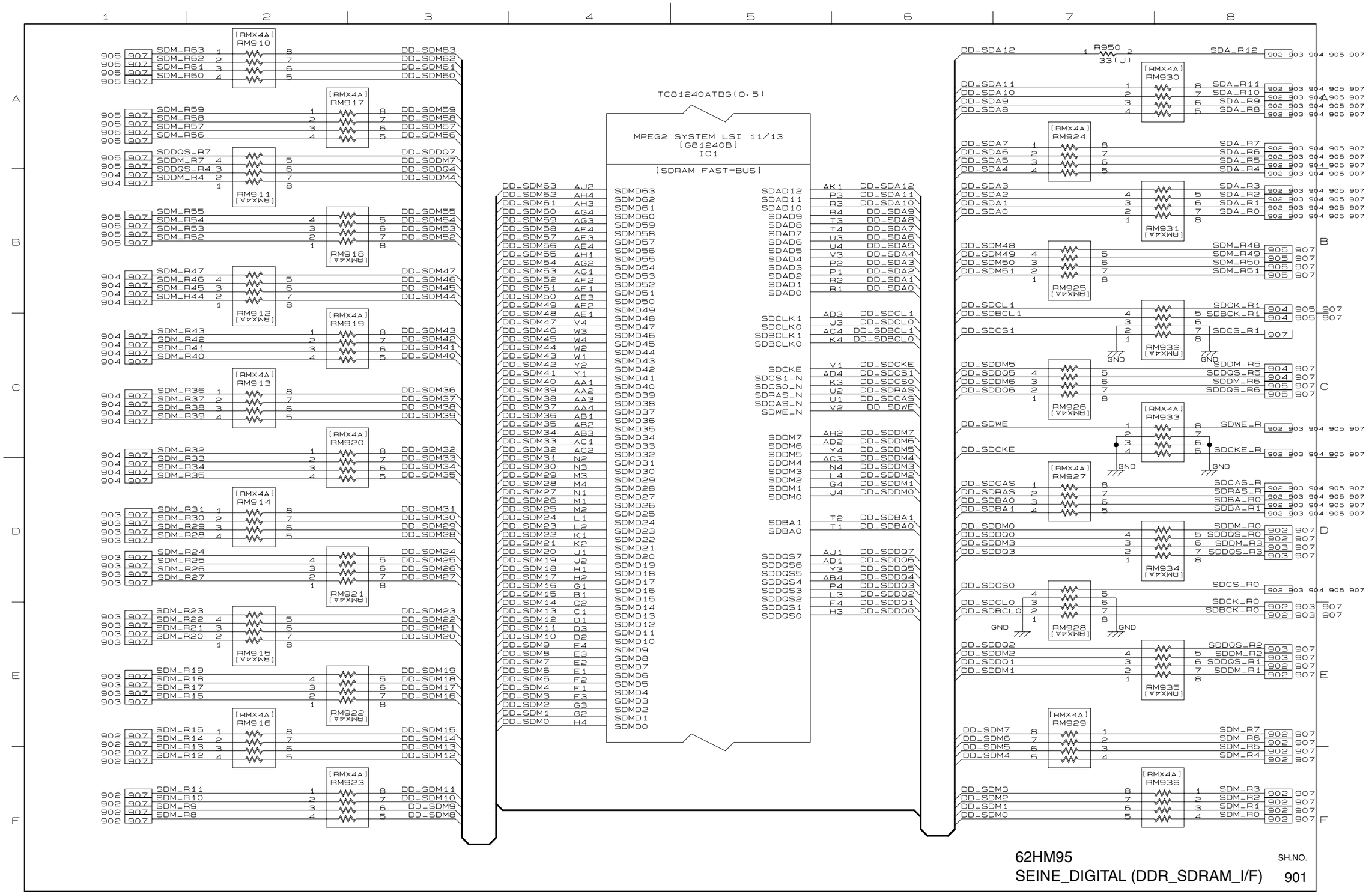
62HM95
SEINE_DIGITAL (POD_I/F)

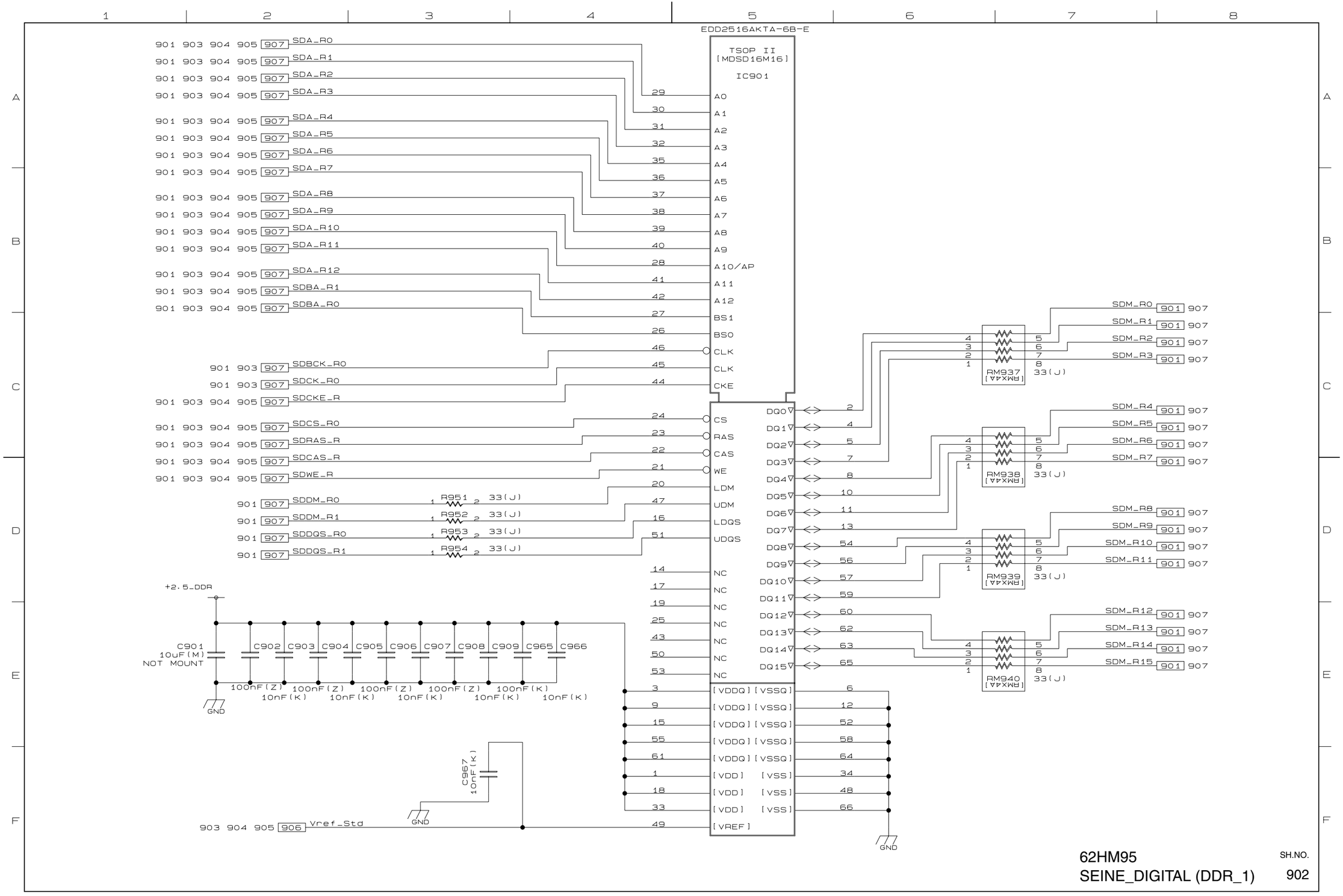
SH.NO.
703

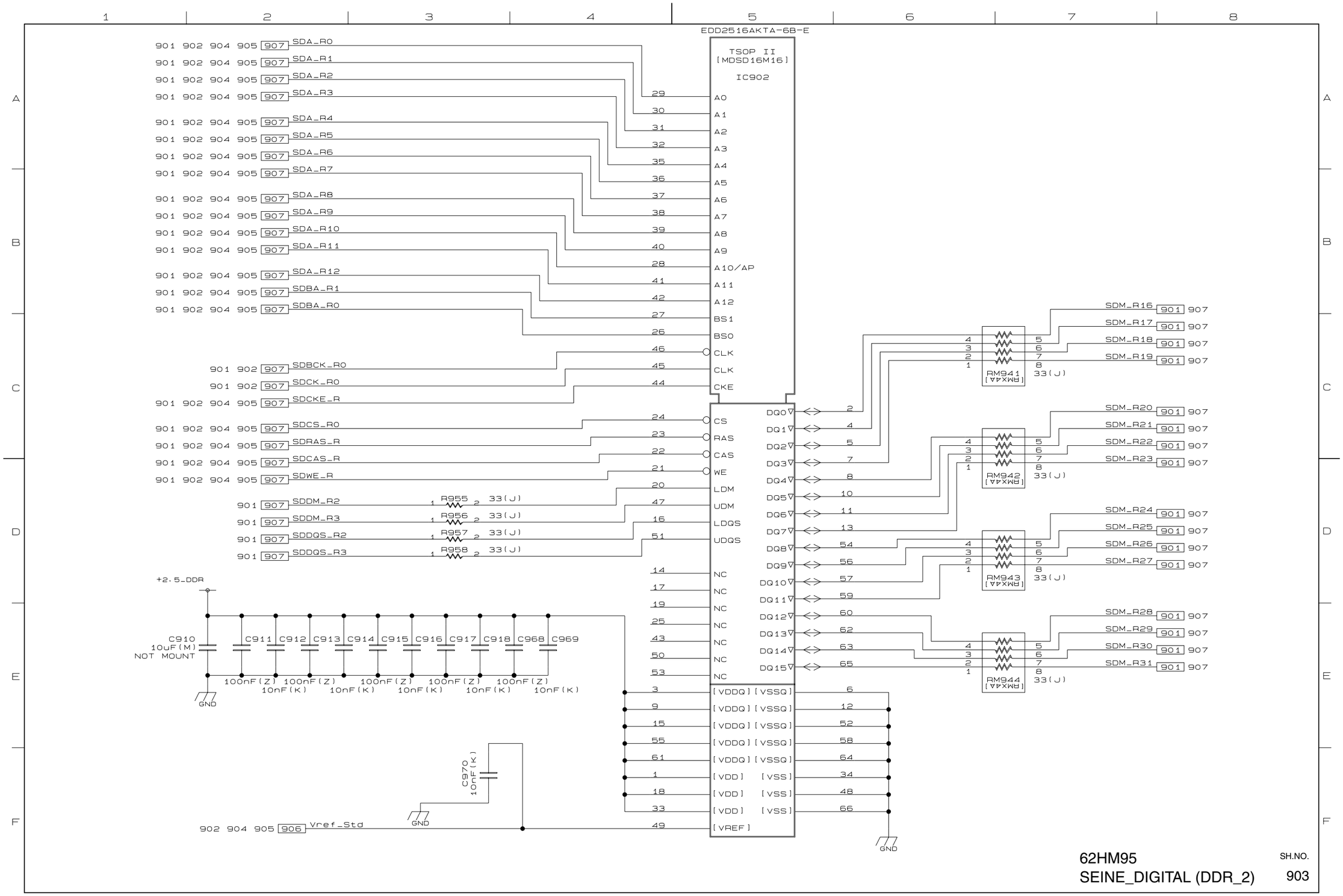


62HM95
SEINE_DIGITAL (PODVCC)

SH.NO. 704


TC81240ATBG(0.5)
MPEG2 SYSTEM LSI 11/13
[G81240B]
IC1
[SDRAM FAST-BUS]
[RMX4A] RM910
[RMX4A] RM911
[RMX4A] RM912
[RMX4A] RM913
[RMX4A] RM914
[RMX4A] RM915
[RMX4A] RM916
[RMX4A] RM917
[RMX4A] RM918
[RMX4A] RM919
[RMX4A] RM920
[RMX4A] RM921
[RMX4A] RM922
[RMX4A] RM923
[RMX4A] RM924
[RMX4A] RM925
[RMX4A] RM926
[RMX4A] RM927
[RMX4A] RM928
[RMX4A] RM929
[RMX4A] RM930
[RMX4A] RM931
[RMX4A] RM932
[RMX4A] RM933
[RMX4A] RM934
[RMX4A] RM935
[RMX4A] RM936
R950 33(J)
GND
62HM95
SEINE_DIGITAL (DDR_SDRAM_I/F)
SH.NO.
901


EDD2516AKTA-6B-E
TSOP II
[MDSD16M16]
IC901
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10/AP
A11
A12
BS1
BS0
CLK
CLK
CKE
CS
RAS
CAS
WE
LDM
UDM
LDQS
UDQS
NC
[VDDQ] [VSSQ]
[VDD] [VSS]
[VREF]
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
SDA_R0
SDA_R1
SDA_R2
SDA_R3
SDA_R4
SDA_R5
SDA_R6
SDA_R7
SDA_R8
SDA_R9
SDA_R10
SDA_R11
SDA_R12
SDBA_R1
SDBA_R0
SDBCK_R0
SDCK_R0
SDCKE_R
SDCS_R0
SDRAS_R
SDCAS_R
SDWE_R
SDDM_R0
SDDM_R1
SDDQS_R0
SDDQS_R1
R951 33(J)
R952 33(J)
R953 33(J)
R954 33(J)
SDM_R0
SDM_R1
SDM_R2
SDM_R3
SDM_R4
SDM_R5
SDM_R6
SDM_R7
SDM_R8
SDM_R9
SDM_R10
SDM_R11
SDM_R12
SDM_R13
SDM_R14
SDM_R15
RM937 [RMX4A] 33(J)
RM938 [RMX4A] 33(J)
RM939 [RMX4A] 33(J)
RM940 [RMX4A] 33(J)
+2.5_DDR
C901 10uF(M) NOT MOUNT
C902 C903 C904 C905 C906 C907 C908 C909 C965 C966
100nF(Z) 10nF(K)
100nF(K)
C967 10nF(K)
Vref_Std
GND
62HM95
SEINE_DIGITAL (DDR_1)
SH.NO.
902


EDD2516AKTA-6B-E
TSOP II
[MDSD16M16]
IC902
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10/AP
A11
A12
BS1
BS0
CLK
CLK
CKE
CS
RAS
CAS
WE
LDM
UDM
LDQS
UDQS
NC
[VDDQ] [VSSQ]
[VDD] [VSS]
[VREF]
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
SDA_R0
SDA_R1
SDA_R2
SDA_R3
SDA_R4
SDA_R5
SDA_R6
SDA_R7
SDA_R8
SDA_R9
SDA_R10
SDA_R11
SDA_R12
SDBA_R1
SDBA_R0
SDBCK_R0
SDCK_R0
SDCKE_R
SDCS_R0
SDRAS_R
SDCAS_R
SDWE_R
SDDM_R2
SDDM_R3
SDDQS_R2
SDDQS_R3
R955 33(J)
R956 33(J)
R957 33(J)
R958 33(J)
+2.5_DDR
C910 10uF(M) NOT MOUNT
C911 C912 C913 C914 C915 C916 C917 C918 C968 C969
100nF(Z) 10nF(K)
GND
C970 10nF(K)
Vref_Std
SDM_R16
SDM_R17
SDM_R18
SDM_R19
SDM_R20
SDM_R21
SDM_R22
SDM_R23
SDM_R24
SDM_R25
SDM_R26
SDM_R27
SDM_R28
SDM_R29
SDM_R30
SDM_R31
RM941 [RMX4A] 33(J)
RM942 [RMX4A] 33(J)
RM943 [RMX4A] 33(J)
RM944 [RMX4A] 33(J)
62HM95
SEINE_DIGITAL (DDR_2)
SH.NO.
903

EDD2516AKTA-6B-E

TSOP II
[MDSD16M16]

IC903

SDA_R0 SDA_R1 SDA_R2 SDA_R3 SDA_R4 SDA_R5 SDA_R6 SDA_R7 SDA_R8 SDA_R9 SDA_R10 SDA_R11 SDA_R12 SDBA_R1 SDBA_R0 SDBCK_R1 SDCK_R1 SDCKE_R SDCS_R0 SDRAS_R SDCAS_R SDWE_R SDDM_R4 SDDM_R5 SDDQS_R4 SDDQS_R5

A0 29
A1 30
A2 31
A3 32
A4 35
A5 36
A6 37
A7 38
A8 39
A9 40
A10/AP 28
A11 41
A12 42
BS1 27
BS0 26
CLK 46
CLK 45
CKE 44
CS 24
RAS 23
CAS 22
WE 21
LDM 20
UDM 47
LDQS 16
UDQS 51
NC 14
NC 17
NC 19
NC 25
NC 43
NC 50
NC 53
[VDDQ] [VSSQ] 3
[VDDQ] [VSSQ] 9
[VDDQ] [VSSQ] 15
[VDDQ] [VSSQ] 55
[VDDQ] [VSSQ] 61
[VDD] [VSS] 1
[VDD] [VSS] 18
[VDD] [VSS] 33
[VREF] 49

R959 33(J)
R960 33(J)
R961 33(J)
R962 33(J)

+2.5_DDR

C919 10uF(M) NOT MOUNT
C920 C921 C922 C923 C924 C925 C926 C927 C971 C972
100nF(Z) 10nF(K)

GND

C973 10nF(K)

Vref_Std

DQ0 2
DQ1 4
DQ2 5
DQ3 7
DQ4 8
DQ5 10
DQ6 11
DQ7 13
DQ8 54
DQ9 56
DQ10 57
DQ11 59
DQ12 60
DQ13 62
DQ14 63
DQ15 65
[VDDQ] [VSSQ] 6
[VDDQ] [VSSQ] 12
[VDDQ] [VSSQ] 52
[VDDQ] [VSSQ] 58
[VDDQ] [VSSQ] 64
[VDD] [VSS] 34
[VDD] [VSS] 48
[VDD] [VSS] 66

RM945 [RMX4A] 33(J)
SDM_R32 SDM_R33 SDM_R34 SDM_R35

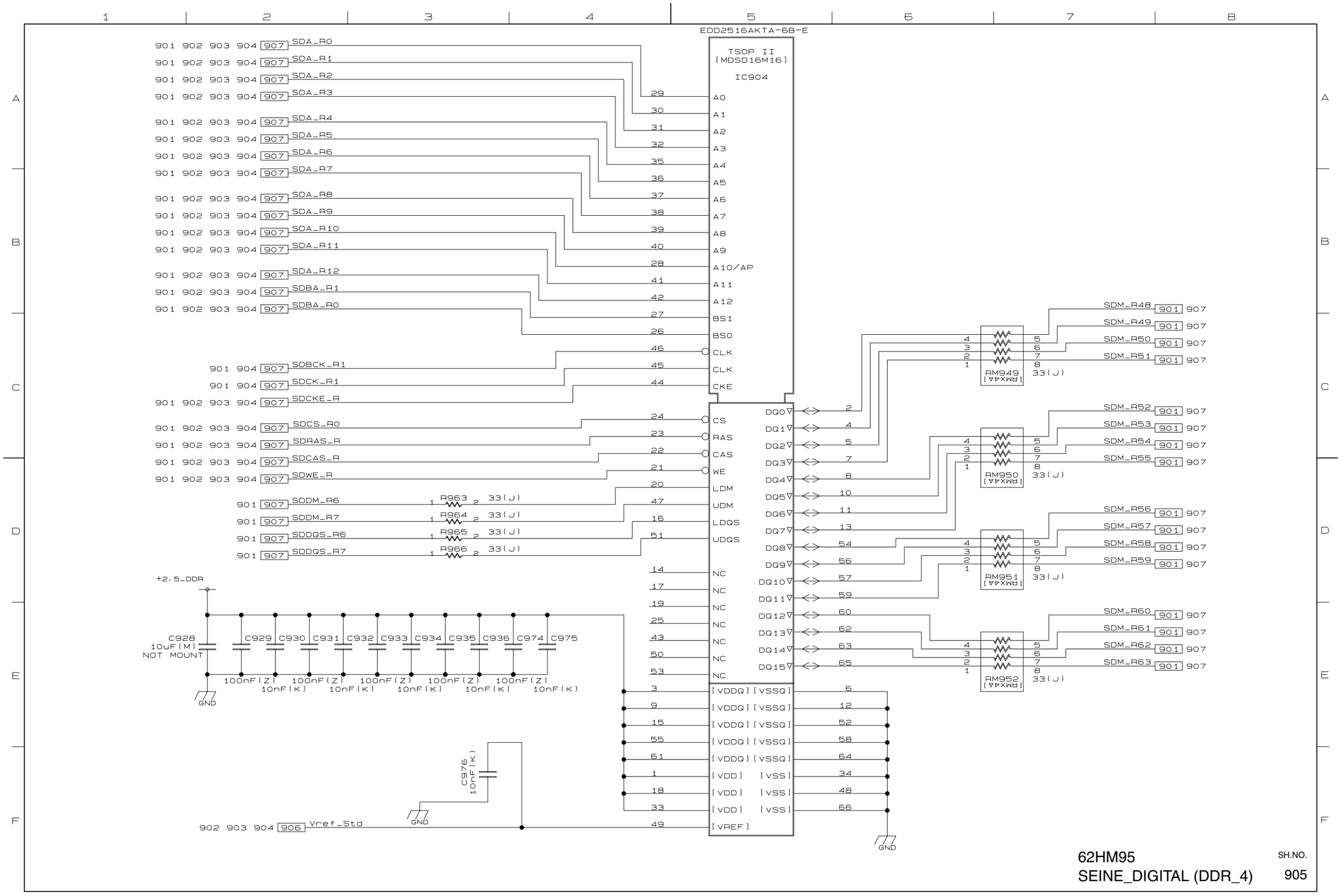
RM946 [RMX4A] 33(J)
SDM_R36 SDM_R37 SDM_R38 SDM_R39

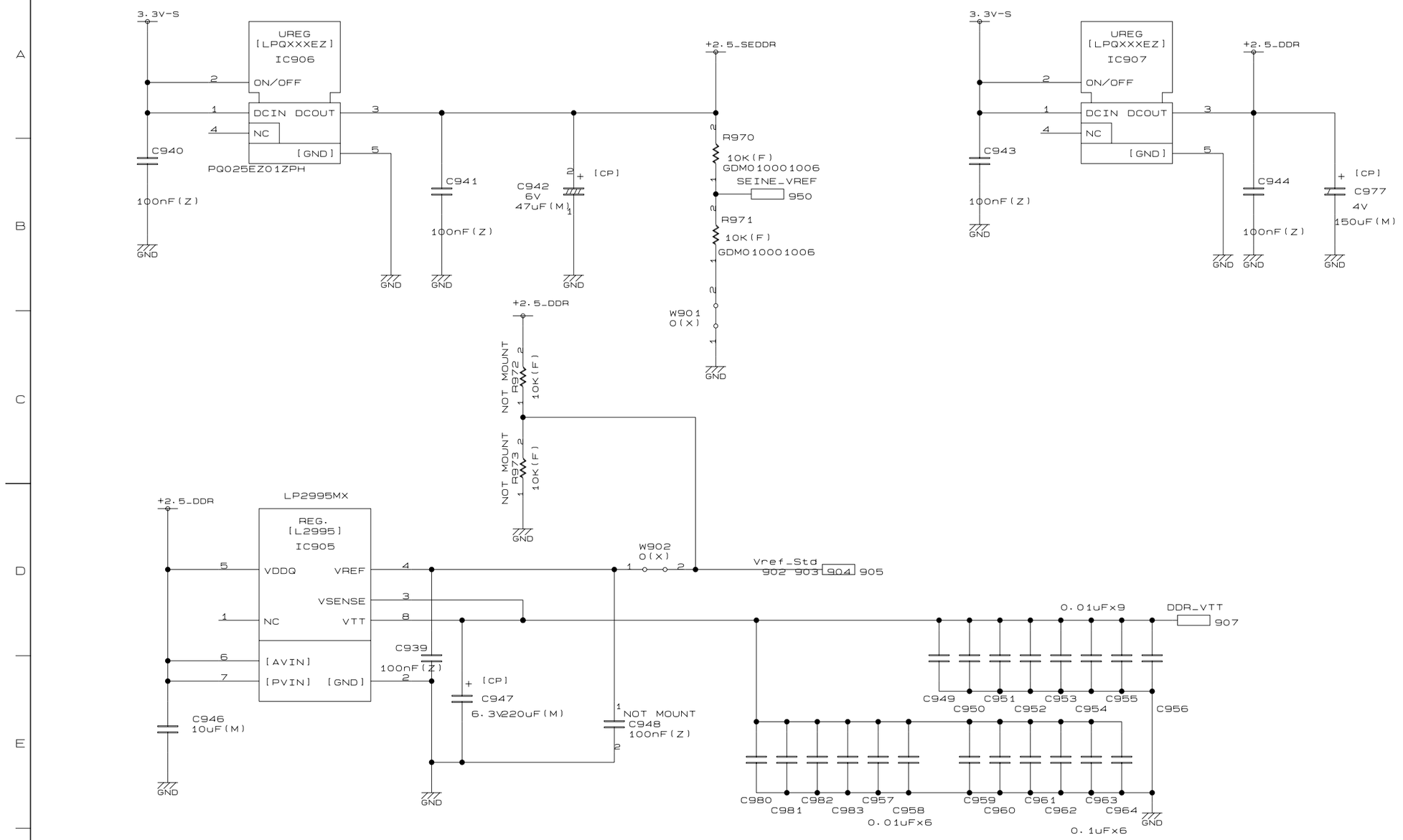
RM947 [RMX4A] 33(J)
SDM_R40 SDM_R41 SDM_R42 SDM_R43

RM948 [RMX4A] 33(J)
SDM_R44 SDM_R45 SDM_R46 SDM_R47

62HM95
SEINE_DIGITAL (DDR_3)

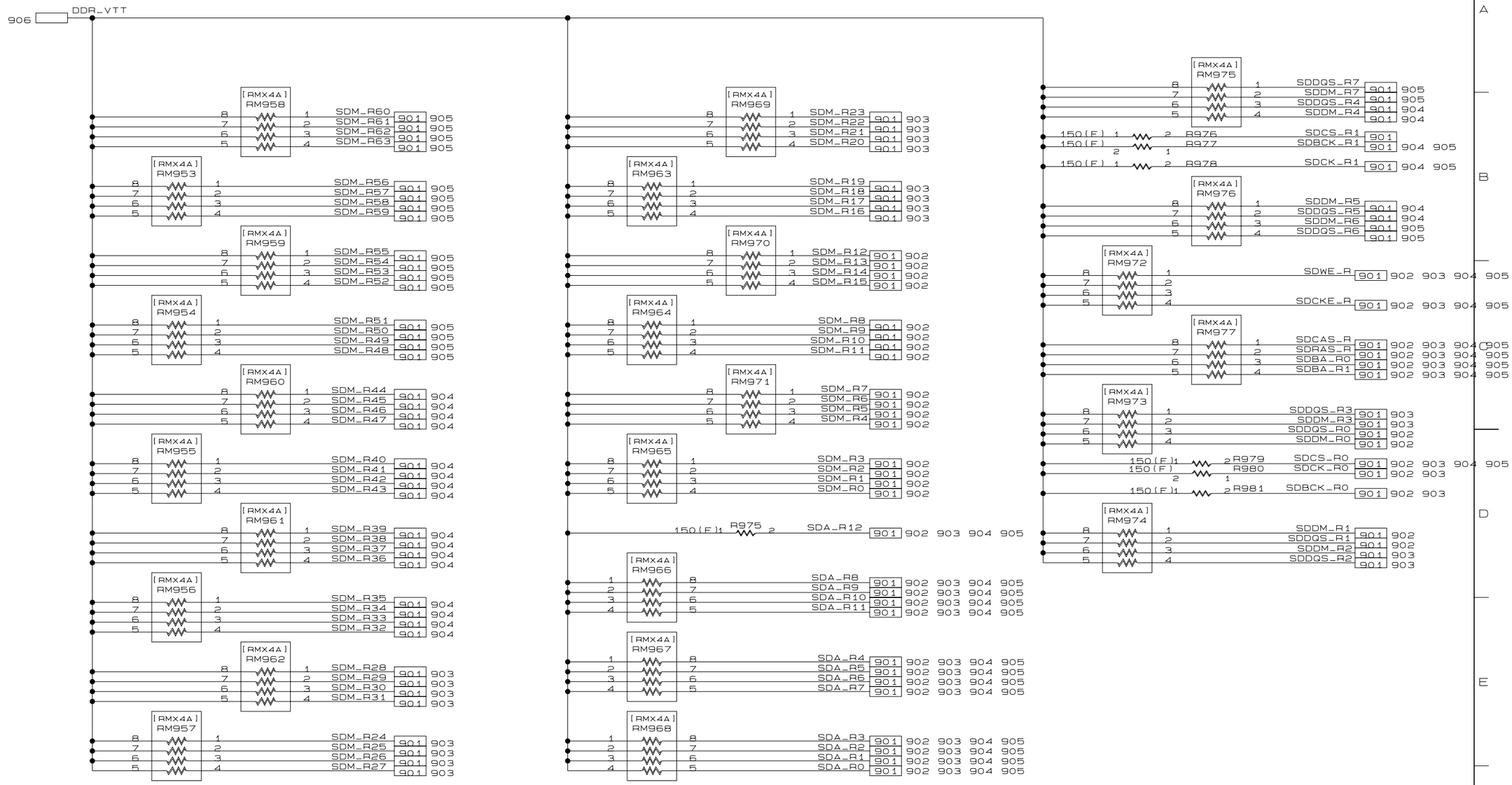
SH.NO. 904


EDD2516AKTA-6B-E
TSOP II
[MDSD16M16]
IC904
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10/AP
A11
A12
BS1
BS0
CLK
CLK
CKE
CS
RAS
CAS
WE
LDM
UDM
LDQS
UDQS
NC
[VDDQ] [VSSQ]
[VDD] [VSS]
[VREF]
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
SDA_R0
SDA_R1
SDA_R2
SDA_R3
SDA_R4
SDA_R5
SDA_R6
SDA_R7
SDA_R8
SDA_R9
SDA_R10
SDA_R11
SDA_R12
SDBA_R1
SDBA_R0
SDBCK_R1
SDCK_R1
SDCKE_R
SDCS_R0
SDRAS_R
SDCAS_R
SDWE_R
SDDM_R6
SDDM_R7
SDDQS_R6
SDDQS_R7
R963 33(J)
R964 33(J)
R965 33(J)
R966 33(J)
+2.5_DDR
C928 10uF(M) NOT MOUNT
C929 C930 C931 C932 C933 C934 C935 C936 C974 C975
100nF(Z) 10nF(K)
GND
C976 10nF(K)
Vref_Std
SDM_R48
SDM_R49
SDM_R50
SDM_R51
SDM_R52
SDM_R53
SDM_R54
SDM_R55
SDM_R56
SDM_R57
SDM_R58
SDM_R59
SDM_R60
SDM_R61
SDM_R62
SDM_R63
RM949 [RMX4A] 33(J)
RM950 [RMX4A] 33(J)
RM951 [RMX4A] 33(J)
RM952 [RMX4A] 33(J)
62HM95
SEINE_DIGITAL (DDR_4)
SH.NO.
905



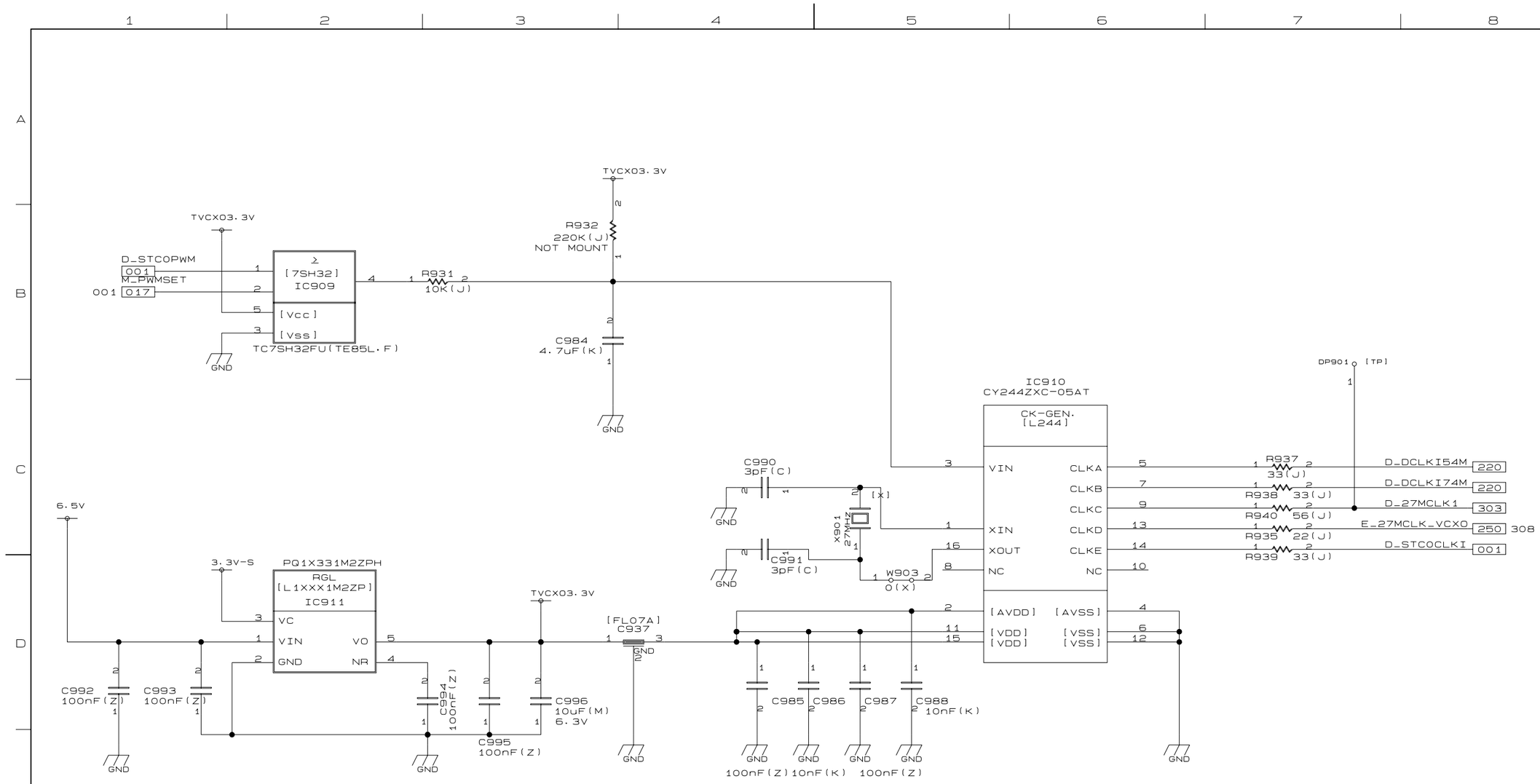
62HM95
SEINE_DIGITAL (DDR_POWER)

SH.NO.
906



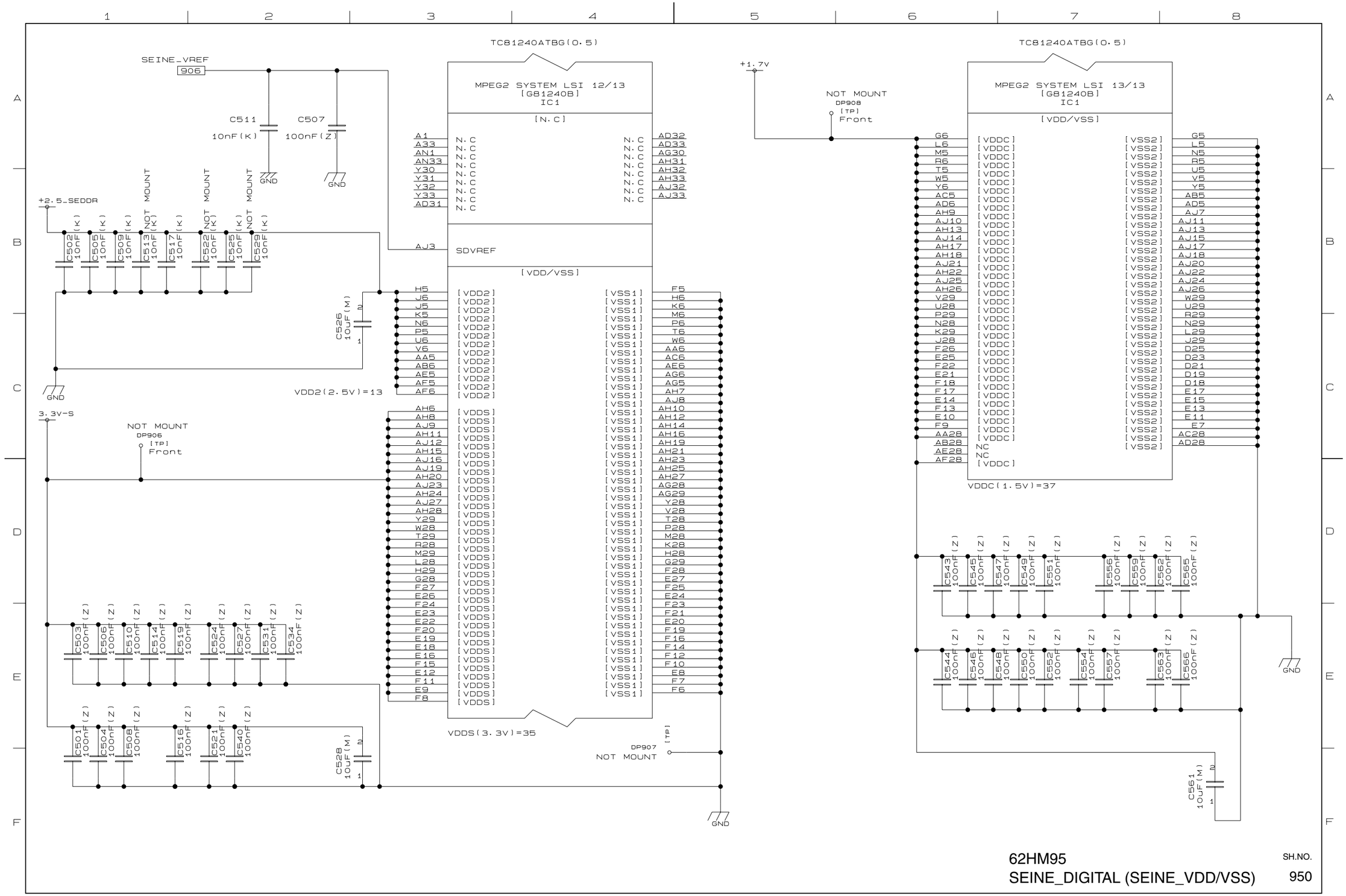
62HM95
SEINE_DIGITAL (TERMINATOR)

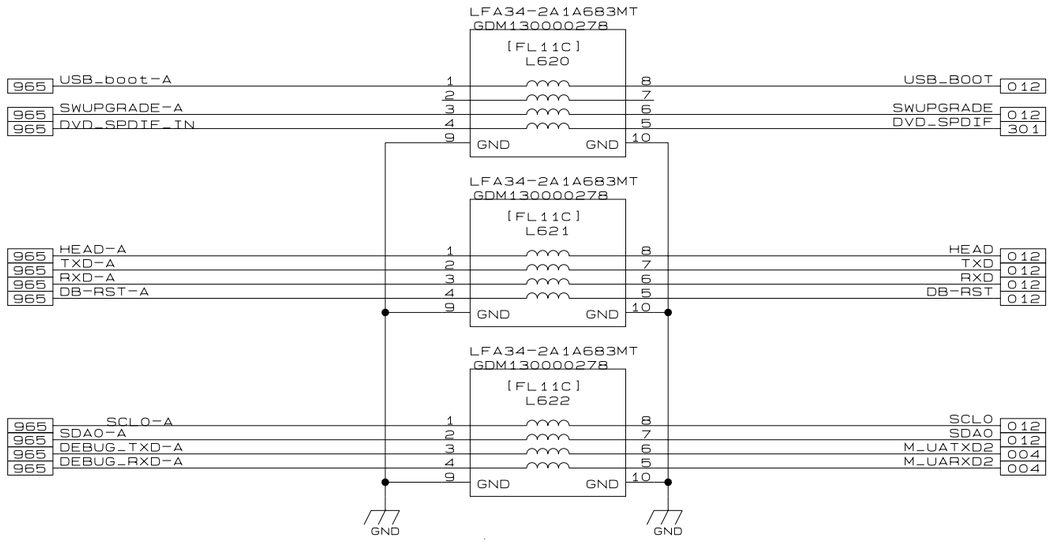
SH.NO. 907



62HM95
SEINE_DIGITAL (VCXO)

SH.NO.
941

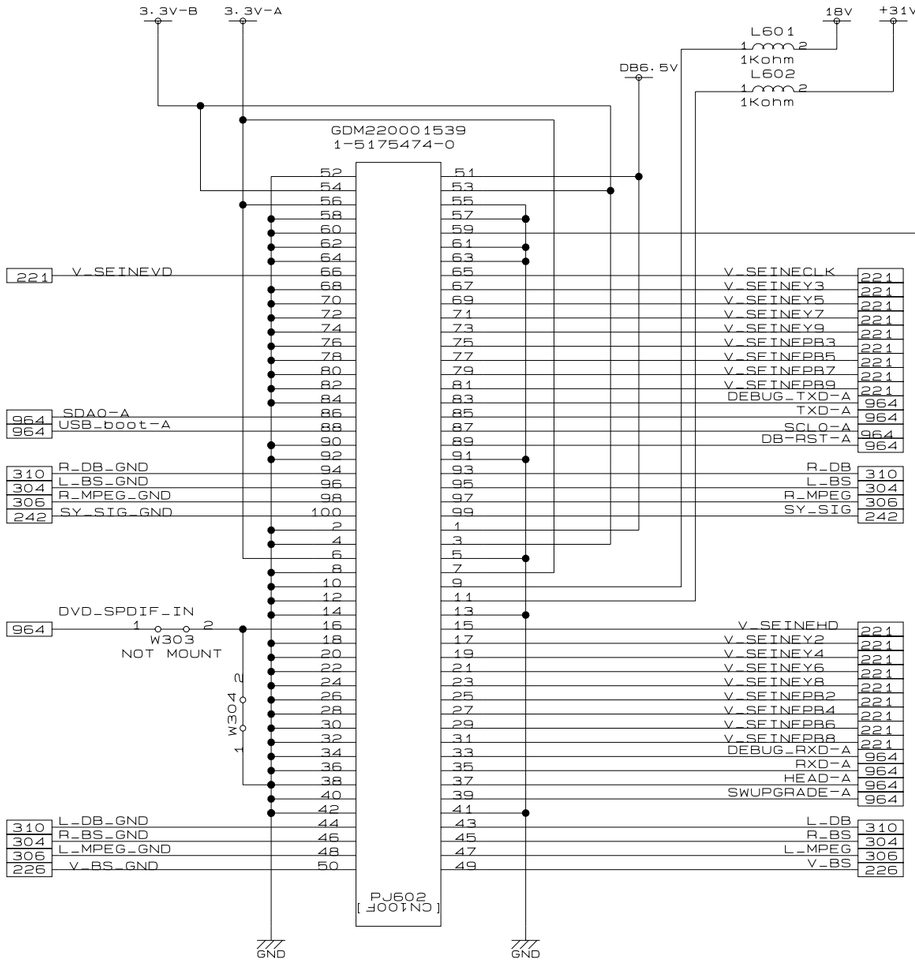

TC81240ATBG(0.5)
MPEG2 SYSTEM LSI 12/13
[G81240B]
IC1
[N.C]
SDVREF
[VDD/VSS]
SEINE_VREF
906
C511
10nF(K)
C507
100nF(Z)
GND
+2.5_SEDDR
C502 10nF(K)
C505 10nF(K)
C509 10nF(K)
C513 NOT MOUNT 10nF(K)
C517 10nF(K)
C522 NOT MOUNT 10nF(K)
C525 NOT MOUNT 10nF(K)
C529 10nF(K)
C526 10uF(M)
VDD2(2.5V)=13
3.3V-S
NOT MOUNT
DP906
[TP]
Front
C503 100nF(Z)
C506 100nF(Z)
C510 100nF(Z)
C514 100nF(Z)
C519 100nF(Z)
C524 100nF(Z)
C527 100nF(Z)
C531 100nF(Z)
C534 100nF(Z)
C501 100nF(Z)
C504 100nF(Z)
C508 100nF(Z)
C516 100nF(Z)
C521 100nF(Z)
C540 100nF(Z)
C528 10uF(M)
VDDS(3.3V)=35
DP907
NOT MOUNT
[TP]
+1.7V
NOT MOUNT
DP908
[TP]
Front
TC81240ATBG(0.5)
MPEG2 SYSTEM LSI 13/13
[G81240B]
IC1
[VDD/VSS]
VDDC(1.5V)=37
C543 100nF(Z)
C545 100nF(Z)
C547 100nF(Z)
C549 100nF(Z)
C551 100nF(Z)
C556 100nF(Z)
C559 100nF(Z)
C562 100nF(Z)
C565 100nF(Z)
C544 100nF(Z)
C546 100nF(Z)
C548 100nF(Z)
C550 100nF(Z)
C552 100nF(Z)
C554 100nF(Z)
C557 100nF(Z)
C563 100nF(Z)
C565 100nF(Z)
C561 10uF(M)
62HM95
SEINE_DIGITAL (SEINE_VDD/VSS)
SH.NO.
950

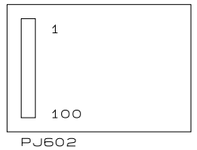


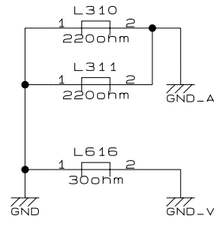
62HM95
SEINE_DIGITAL (Signal_filter)

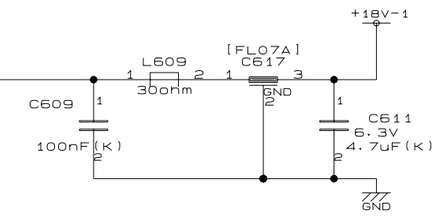
SH.NO.
964

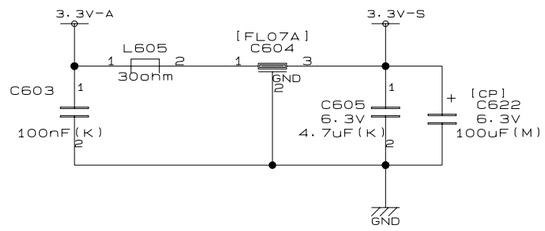
1. DB6.5V
2. GND
3. 3.3V-B
4. GND
5. GND
6. 3.3V-A
7. 3.3V-A
8. GND
9. 18VFOR ANALOG AUDIO
10. GND
11. 31V
12. GND
13. GND
14. GND
15. HD
16. GND
17. Y_G0
18. GND
19. Y_G2
20. GND
21. Y_G4
22. GND
23. Y_G6
24. GND
25. PBPR_C0
26. GND
27. PBPR_C2
28. GND
29. PBPR_C4
30. GND
31. PBPR_C6
32. GND
33. DEBUG_RXD
34. GND
35. RXD
36. GND
37. HEAD
38. GND
39. SWUPGRADE
40. GND
41. GND
42. GND
43. L_DB
44. L_DB_GND
45. R_BS
46. R_BS_GND
47. L_MPEG
48. L_MPEG_GND
49. V_BS
50. V_BS_GND
51. DB6.5V
52. GND
53. 3.3V-B
54. 3.3V-B
55. GND
56. 3.3V-A
57. GND
58. GND
59. 11V2(FOR POD)
60. GND
61. GND
62. GND
63. GND
64. GND
65. DIGITAL CLOCK
66. VD
67. Y_G1
68. GND
69. Y_G3
70. GND
71. Y_G5
72. GND
73. Y_G7
74. GND
75. PBPR_C1
76. GND
77. PBPR_C3
78. GND
79. PBPR_C5
80. GND
81. PBPR_C7
82. GND
83. DEBUG_TXD
84. IIC_CLK
85. TXD
86. GND
87. IIC_DATA
88. USB BOOT
89. DB_RST
90. GND
91. GND
92. GND
93. R_DB
94. R_DB_GND
95. L_BS
96. L_BS_GND
97. R_MPEG
98. R_MPEG_GND
99. V_SIG
100. SY_SIG_GND

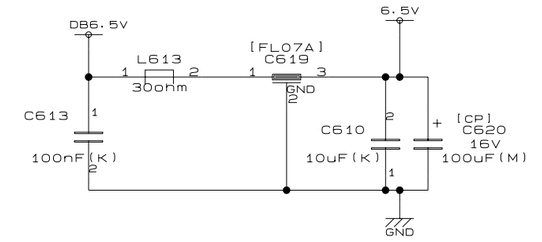


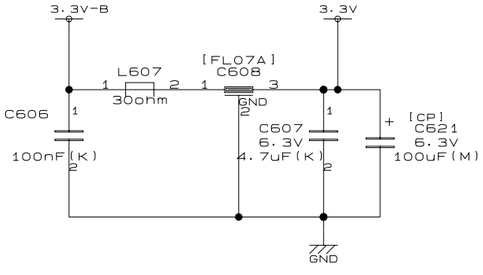






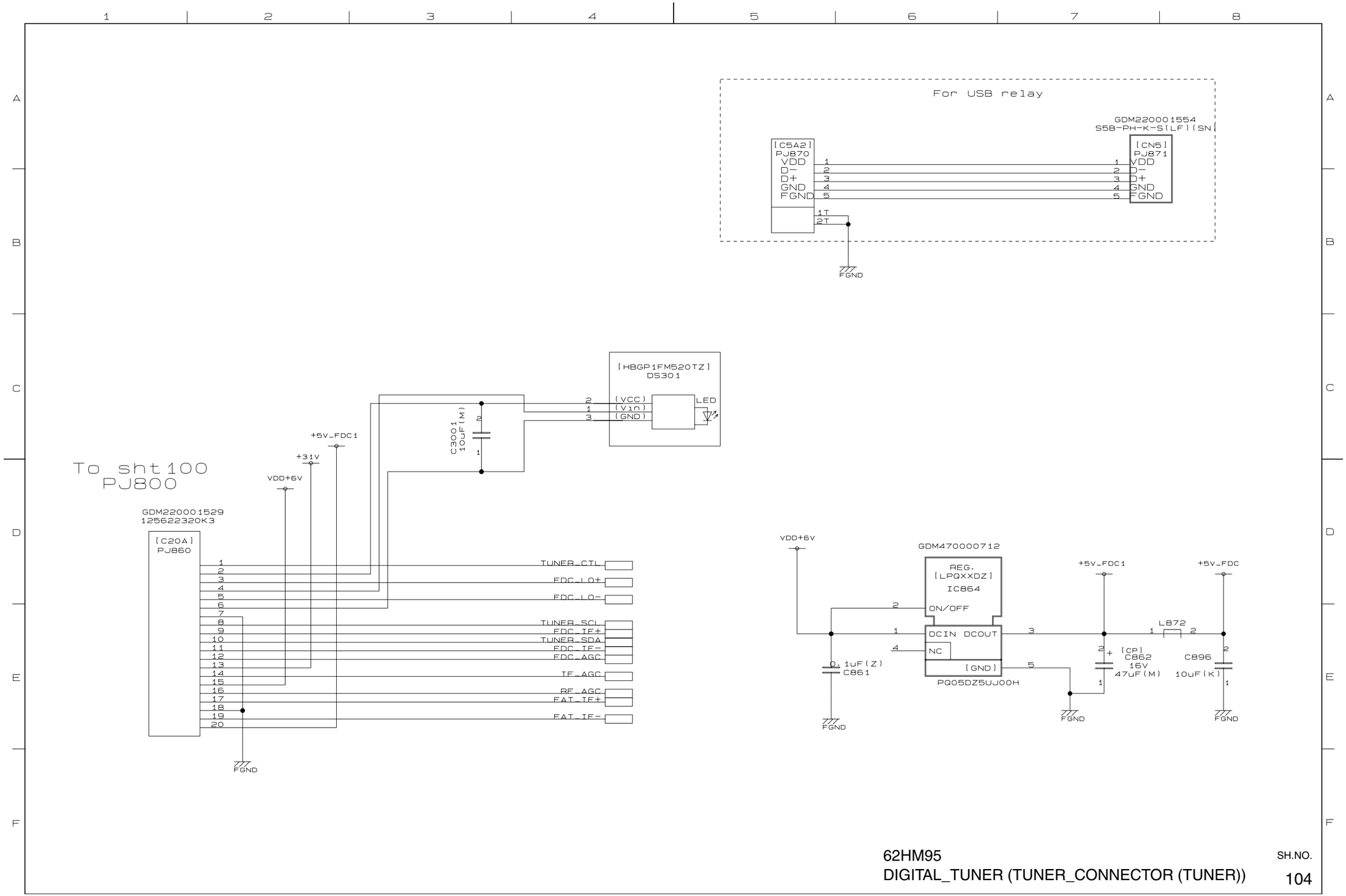






62HM95
SEINE_DIGITAL (CONNECTOR)

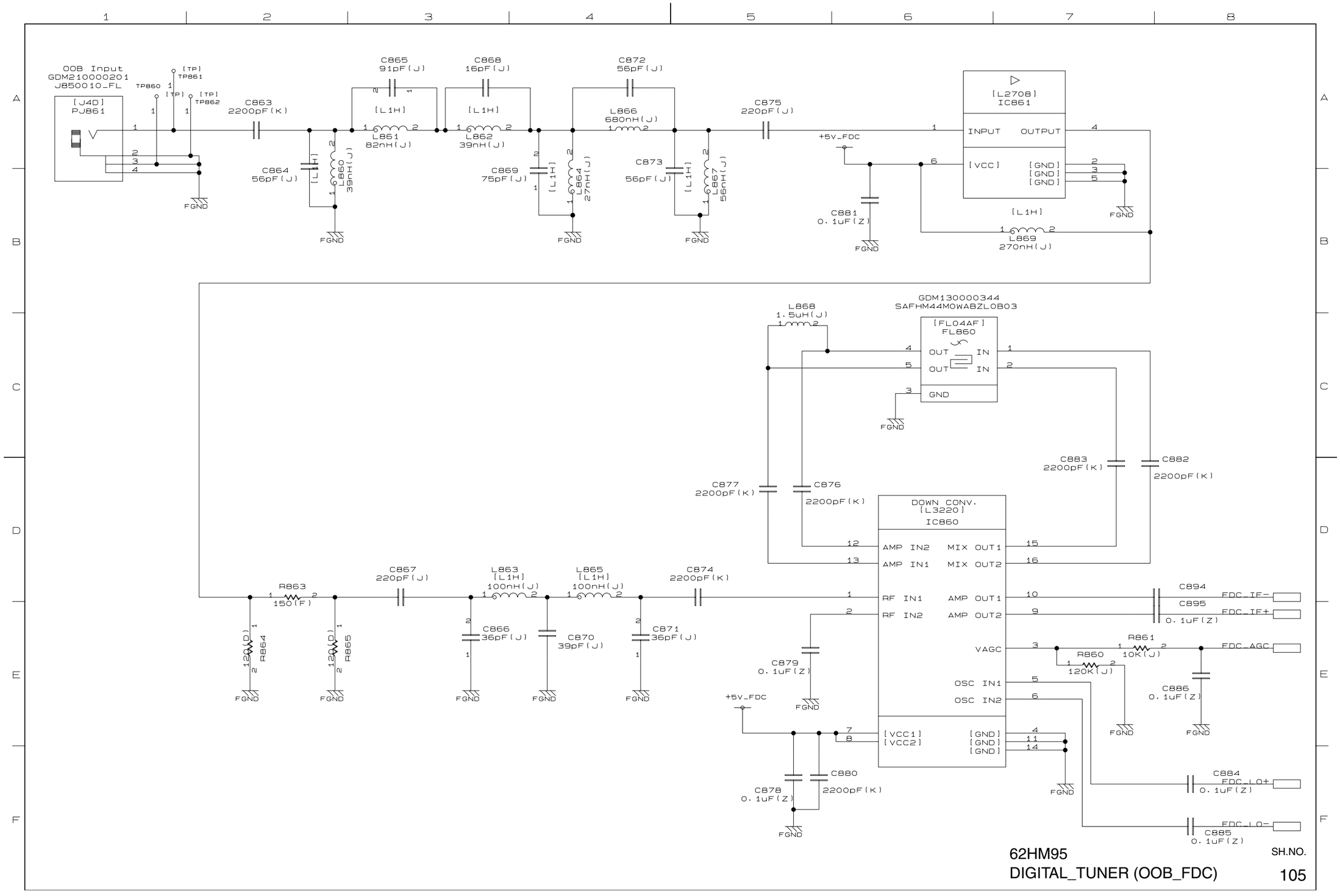
SH.NO. 965

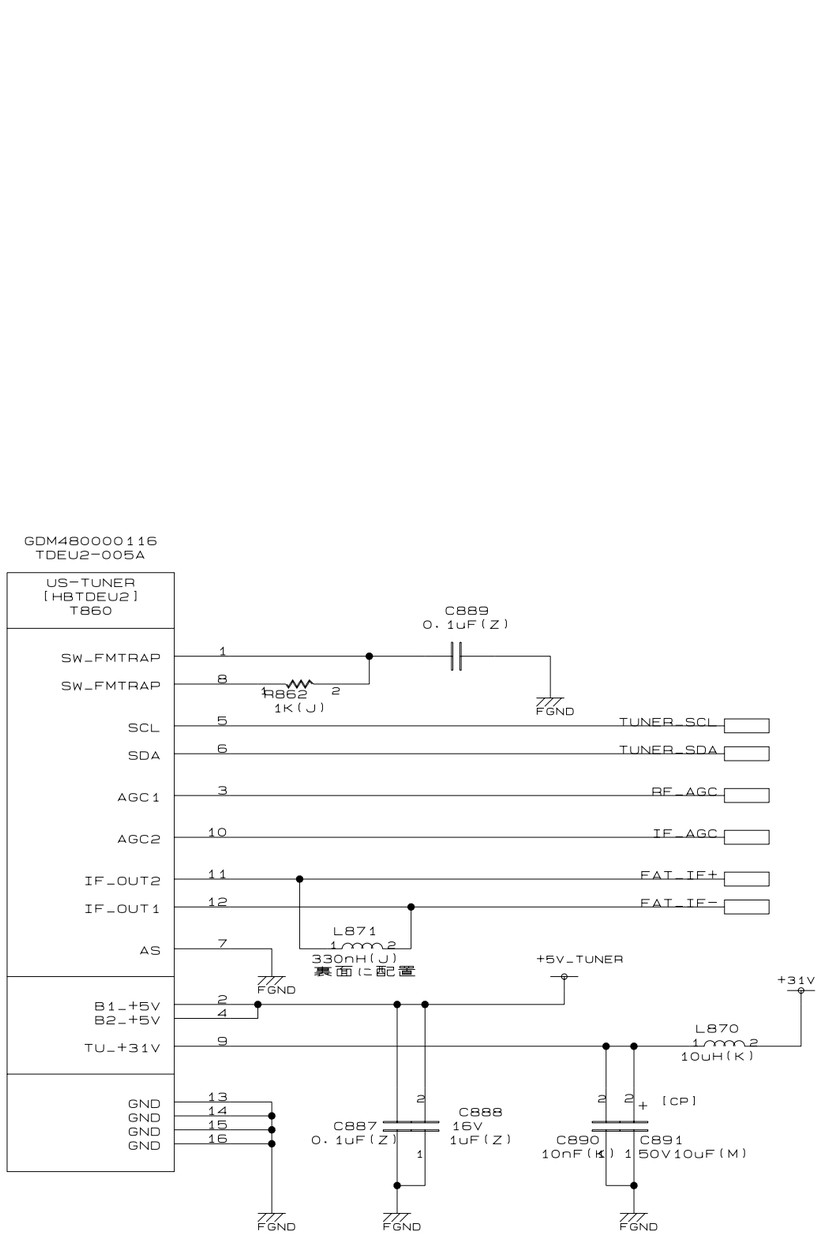


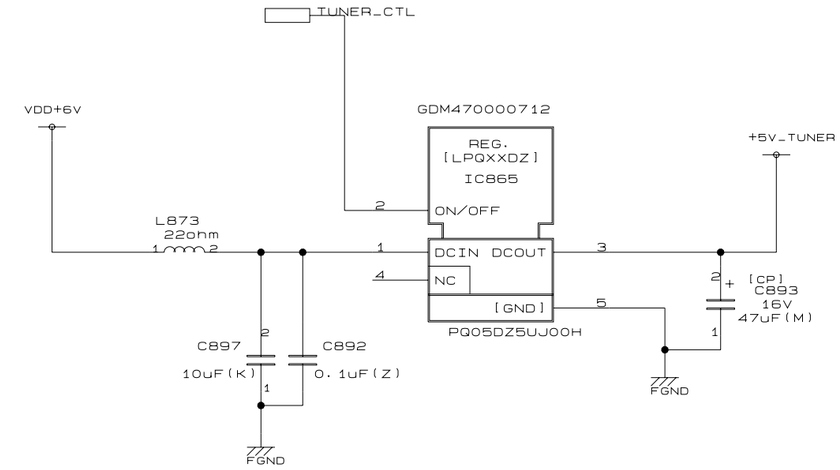
62HM95

DIGITAL_TUNER (TUNER_CONNECTOR (TUNER))

SH.NO. 104


OOB Input
GDM2100002O1
J850010_FL
[J4D]
PJ861
[TP]
TP860
[TP]
TP861
[TP]
TP862
C863
2200pF(K)
C865
91pF(J)
C868
16pF(J)
C872
56pF(J)
C875
220pF(J)
[L1H]
L861
82nH(J)
[L1H]
L862
39nH(J)
L866
680nH(J)
C864
56pF(J)
[L1H]
L860
39nH(J)
C869
75pF(J)
[L1H]
L864
27nH(J)
C873
56pF(J)
[L1H]
L867
56nH(J)
FGND
+5V_FDC
C881
0.1uF(Z)
[L2708]
IC861
INPUT
OUTPUT
[VCC]
[GND]
[GND]
[GND]
[L1H]
L869
270nH(J)
L868
1.5uH(J)
GDM130000344
SAFHM44M0WABZL0B03
[FL04AF]
FL860
OUT
IN
OUT
IN
GND
C883
2200pF(K)
C882
2200pF(K)
C877
2200pF(K)
C876
2200pF(K)
DOWN CONV.
[L3220]
IC860
AMP IN2
AMP IN1
MIX OUT1
MIX OUT2
R863
150(F)
C867
220pF(J)
L863
[L1H]
100nH(J)
L865
[L1H]
100nH(J)
C874
2200pF(K)
RF IN1
RF IN2
AMP OUT1
AMP OUT2
C894
C895
0.1uF(Z)
FDC_IF-
FDC_IF+
R864
120(D)
R865
120(D)
C866
36pF(J)
C870
39pF(J)
C871
36pF(J)
C879
0.1uF(Z)
R861
10K(J)
R860
120K(J)
FDC_AGC
C886
0.1uF(Z)
VAGC
OSC IN1
OSC IN2
+5V_FDC
[VCC1]
[VCC2]
[GND]
[GND]
[GND]
C878
0.1uF(Z)
C880
2200pF(K)
C884
0.1uF(Z)
FDC_LO+
FDC_LO-
C885
0.1uF(Z)
62HM95
DIGITAL_TUNER (OOB_FDC)
SH.NO.
105





62HM95
DIGITAL_TUNER (FAT_TUNER)

SH.NO.
106

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN